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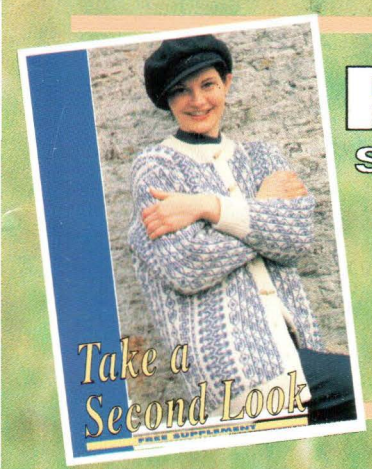


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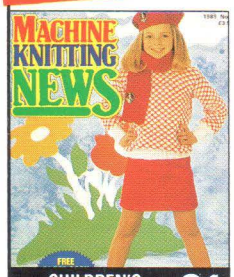

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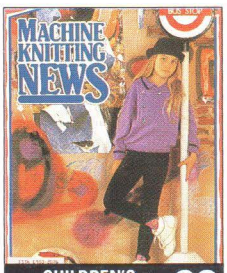

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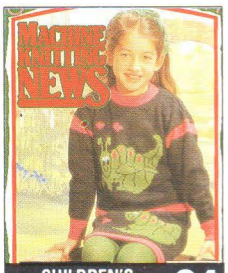

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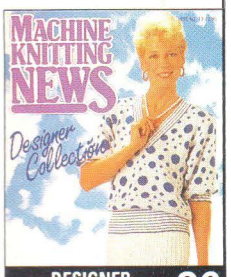

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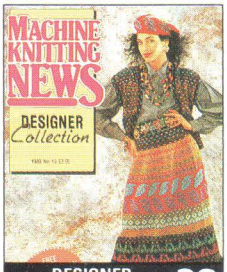

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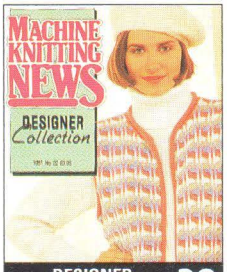

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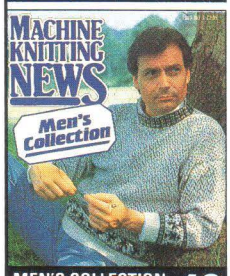

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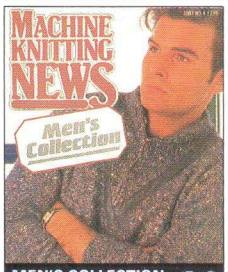

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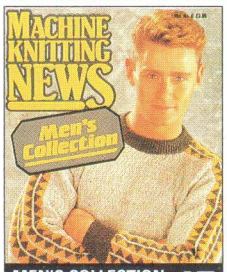

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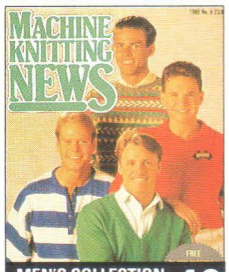

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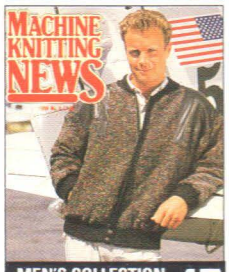

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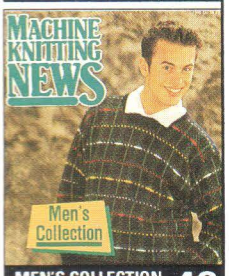

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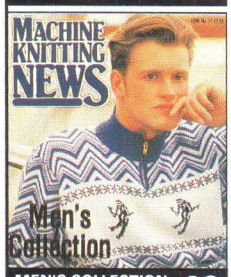

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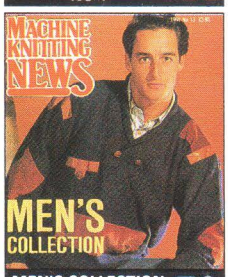

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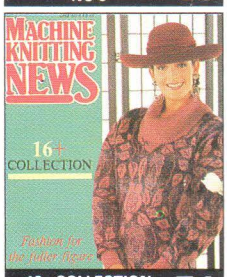

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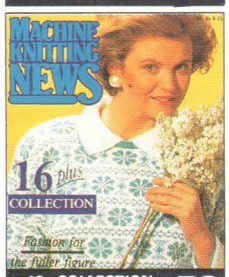

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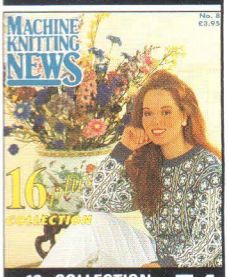

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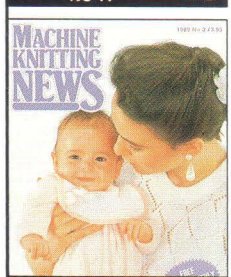

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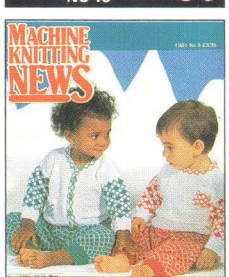

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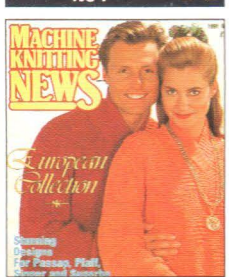

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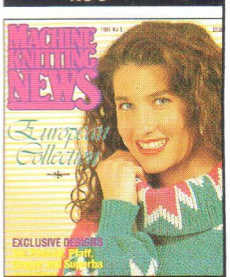

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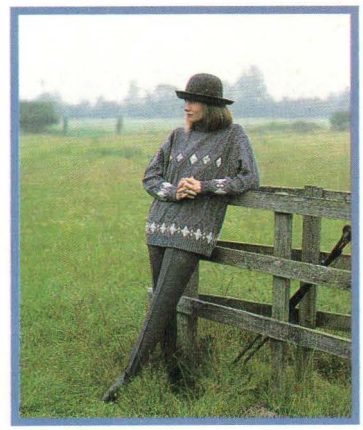

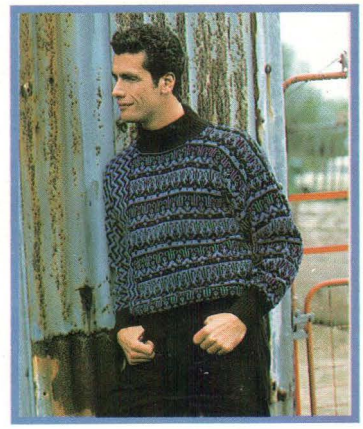

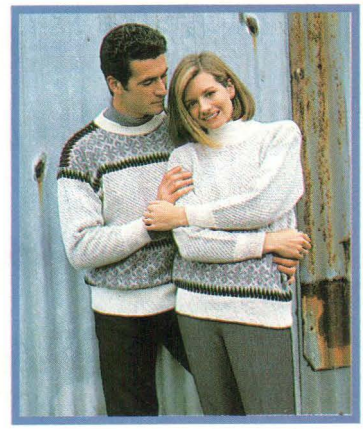

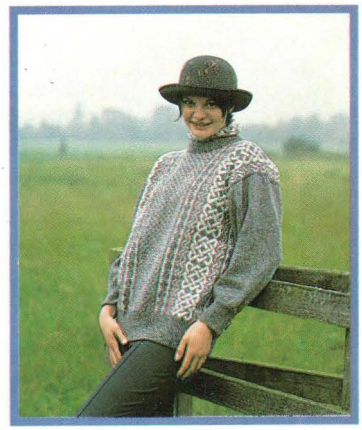


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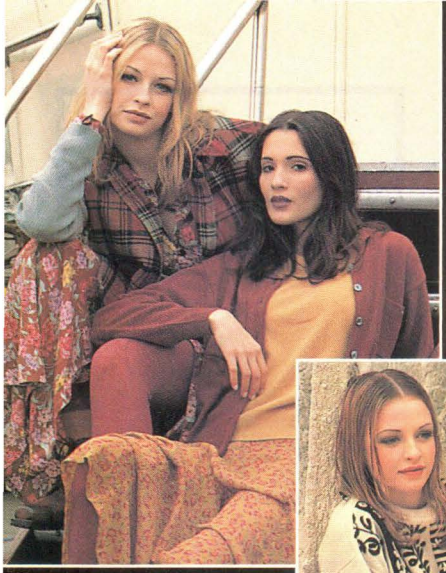

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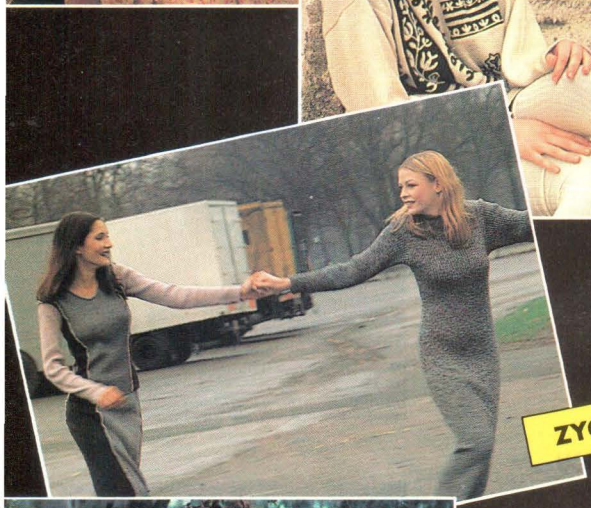

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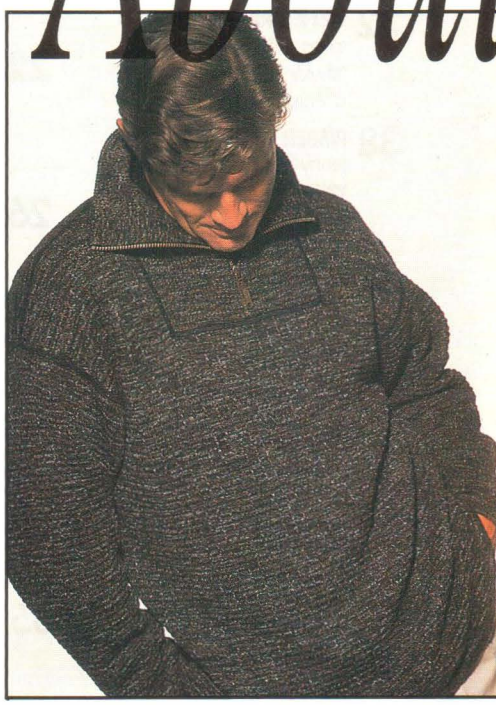
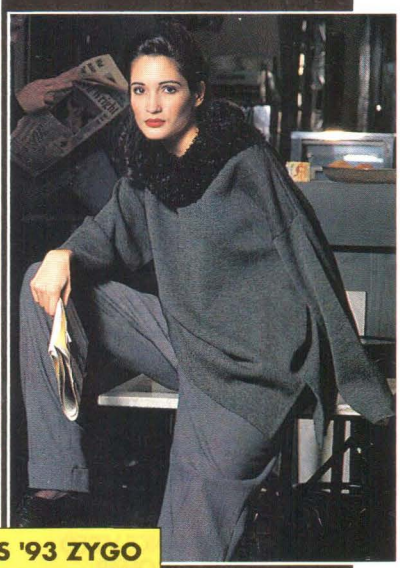


Grampian Yarns

The great designer, Karl Lagerfeld once said — "Fashion is a question of changing proportions and details". Never has this been more true than in the '93/94 knitwear which is all about lengths and lines, and much less about ornamentation. Scotland is the 'birthplace' of classic, contemporary knitwear and Lyle and Scott, one of its many exponents, say that their collection is a 'statement of style and an expression of quality' — an outlook which is underwritten by most of the leading knitwear companies. Quality is of the essence with long lean lines, interpreted in fine yarns. The Wool Forum is a group of spinners from the UK and Ireland committed to the production of innovative Woolmark yarns in pure new wool. Each season the Wool Forum collections reflect current fashion and colour trend in yarns. The new developments from its 17 members have been incorporated in a trend collection designed by the IWS Wool Fashion office in Paris created to show these new wool yarn developments in

CHRISTMAS '93 ZYGO



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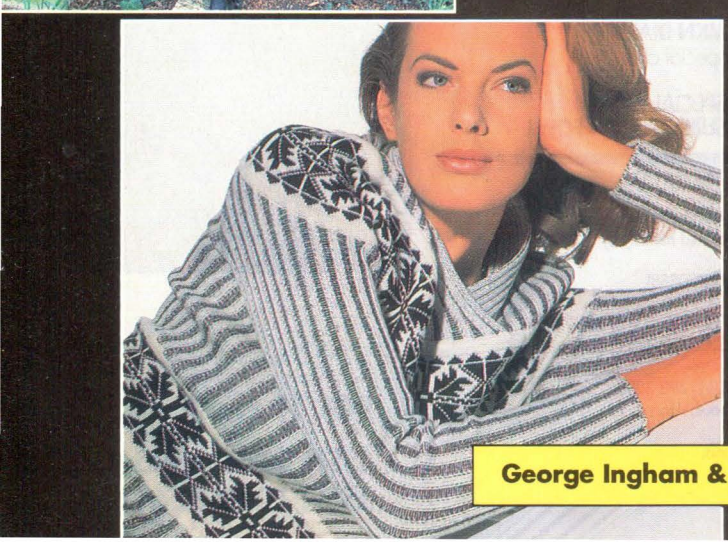


George Ingham & Co Ltd

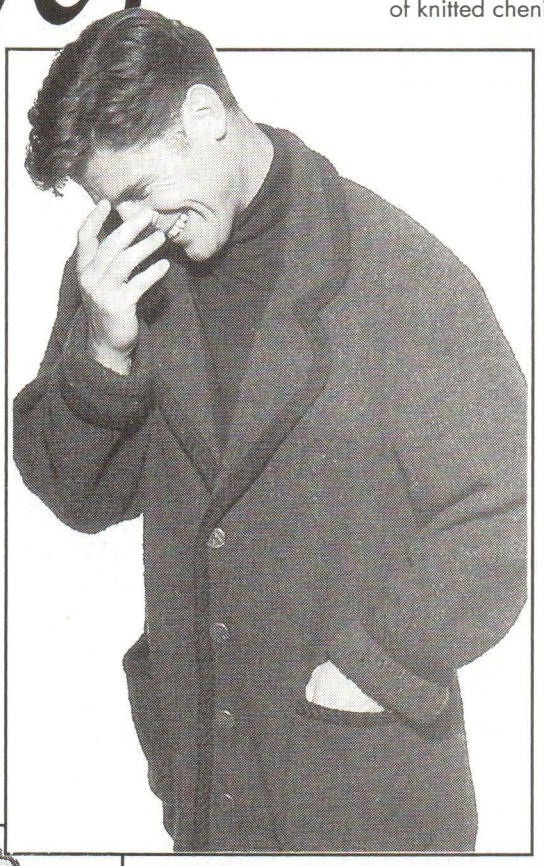
# Winter

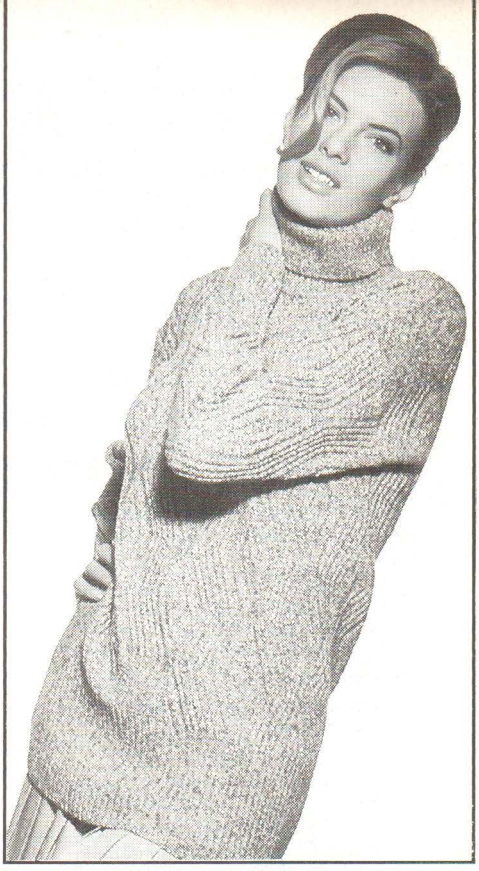
exciting styling for Autumn/Winter '93/94. (We illustrate a selection of garments as featured by some of these spinners). 'Wool' it is claimed is the yarn for the future. It not only reflects the growing consumer demand for all things natural, but is also the world's most versatile fibre. Many of the leading spinners have a commitment to pure wool and their designs show wool properties of softness and comfort, durability and warmth. There is a contrast of 'fabric fashion' — on one hand the simple long lines of the ribs and cables, and on the other, the tweedy looks and the complicated abstract patterning, most popular in black and white. The choice of yarns is always large and varied, but the 'old' classic favourites — lambswool, bouclés, worsteds, botany and tweeds prevail. In the 'upper' bracket, fine cashmere, angora and mixes of merino and angora offer a luxurious and wise investment for those who create their own knitwear.

We are putting our focus on the wholesale House of Zygo, whose winter range reflects all the newest of the fashion trends. Long skinny rib dresses and skirts are surmounted by waistcoats — one in Navajo style with heavy embroidery and crochet medallions. Simple rib sweaters are given a totally new 'dressy' look with 'feather' collar and cuffs of knitted chenille. The long, slim skirt deeply slit at one side, or a patterned black and white sweater worn with finely ribbed knitted leggings offer a fresh approach in knitwear — cosily warm for our fuel conscious season. Men's knitwear is also concentrating on the cosy, layered look. Leading exponent, Austin Reed, is featuring knitted cable waistcoats to add to the feel of comfort and layers. Sweaters with botany wool roll collars are equally at home under formal suits as they are when worn more casually wih cords or jeans — everything conspires to create depth and warmth. Colours of the rich autumnal look and forest hues are highlighted by medieval jewel colours. Plains are mixed with checks of all sizes.

Knitwear has always been the most practical option for our climate — currently in terms of fashion it is 'flavour of the month' and can do no wrong.

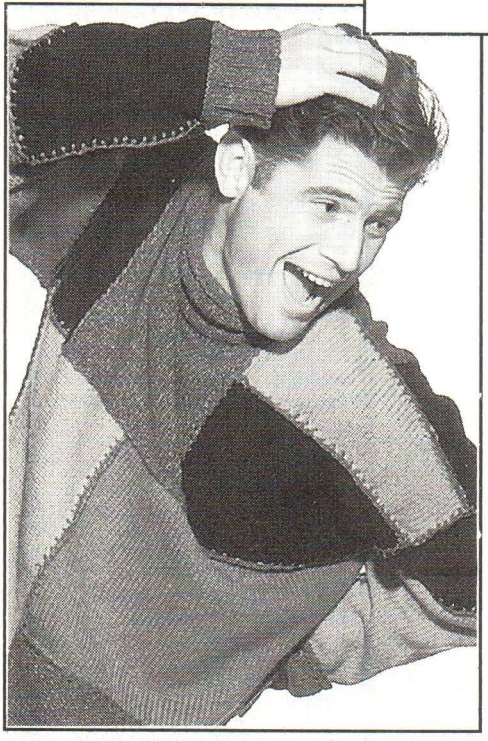
Whether to face the vagaries of a harsh winter — or for festive evening dressing, there is a cosy comfortable knitted style to meet the occasion.





**Knoll Spinning Co. Ltd**

Machine knitters with the advantages of speed, technology and economy are happily poised to make the best of the opportunities which fashion now provides.



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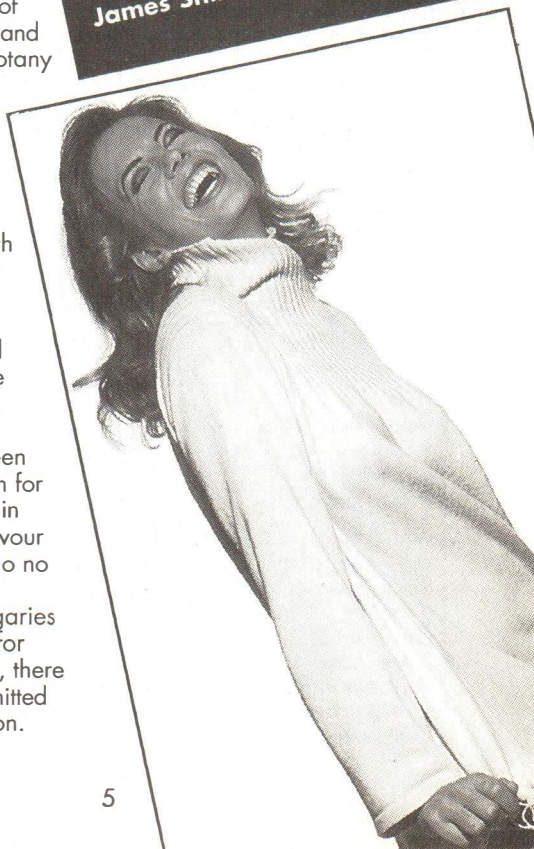

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Please use plain paper if you do not wish to cut your magazine. MKN 1/94


# SECOND ANNIVERSARY CHANGES AT A.K.YARNS

**A.K. Yarns** celebrate their second year in business two ways. Firstly, the business has grown so much that opening hours have been extended to six days a week (from 1st November 1993). New hours are Sunday 11am-4pm, Monday to Friday 10am-4pm, Saturday closed. The second, is to continue the half price Bonanza on Mohair whilst stocks last. January Sales early!

Christine Ray who runs the business with Stella and Vanessa's help believes a variety of factors have led to their success. "We first opened with a restricted range of yarns, many of them oiled, but have extended our yarn range enormously, whilst continuing to offer the best quality and advice to our customers. This service has proved very popular with visiting knitting clubs. We would like to thank all our customers for their support from the outset and hope that all of you will find the type of service we offer continues to meet your needs".

Christine also say their mail order service has proved an enormous success for those unable to visit.

# DEMONSTRATION

**Tyson's Club** for Passap/Pfaff knitters are please to announced that Irene Krieger of Pfaff will be visiting the club on March 23rd 1994 to give a demonstration. The meeting will be at Tyson's shop, Hounslow at the club's normal meeting time of 1.30-4.00pm but if sufficient people are interested a morning session could be organised as well. For anyone interested please contact Beverley at Tyson's on 081 570 6790 or Jan Miller on 0235 764249.

# WORKSHOP

**Pam Turbett** will be teaching a cut and sew workshop class from Friday 4th-Sunday 6th February 1994 at Dillington House, Ilminster, Somerset (near the A303, south east of Taunton). This cut and sew course will introduce machine knitters to the idea of using a straight length of home produced knitted fabric for dressmaking purposes, using paper patterns, scissors and conventional sewing methods. Students will need to bring their own sewing machine and sewing gear. For further information and enrolment please contact the Business Manager, Rachel Pike, Dillington House, Ilminster, Somerset TA19 9DT. Tel: 0460 53875. If you wish to talk to the tutor, telephone Pam Turbett on 0730 893654.

**The Norfolk School of Creative Knitting** will be holding weekend workshops throughout 1994 for machine knitters of all standards. The workshops will offer a friendly and informal atmosphere, with a range of well-known tutors and all the facilities of a four star country hotel located in parkland near the Norfolk

# CORRECTION

**Our apologies to Jenny Rose and readers who queried Sample 4 in the October ribber article. One word was misprinted and upset the whole sample. The correct instructions are shown below.**

**SAMPLE 4**

Full needle rib. Half pitch.
Knit 1 row from left to right in MY to select needles and release card.
Main bed. Set to slip both ways.
Ribber bed. Set to knit both ways.
Knit 1 row.
* Change to contrast colour.
Main bed. Set to slip both ways.
Ribber bed. Set to slip both ways.
Knit 2 rows.
Change to main colour.
Main bed. Set to slip both ways.
Ribber bed. Set to knit both ways.
Knit 2 rows *.
Repeat from * to * throughout. In effect this means that when the main colour is in the feeder the ribber knits and when the contrast colour is in the feeder the ribber slips.
TD5/5 4 ply acrylic.

Broads — the ultimate indulgence for the machine knitter who wants a weekend with a difference. A wide range of topics will be on offer, including Use of the Ribber; Cut and Sew; Professional Finishing; Elegant Knitting; Dresses and Suits; Made to Measure; Create your own Designs.
Weekends will run from Friday evening to Sunday lunchtime; the cost is £225 for those staying in the hotel; there are a limited number of places available for those wishing to attend only the Saturday sessions, at a cost of £55. Booking now for the weekends of 28th-30th January and 11th-13th March. Further details from Constance Haken on 0692 630782.

## COURSES

**Swindon College**, Ferndale Road, Swindon is offering Machine Knitting City and Guilds Part 1, commencing Monday 10th January 1994 from 6pm-9pm.
For further information contact Swindon College on 0793 613313 or Beryl Henderson 0793 521959.

## MORE PATTERNING POSSIBILITIES

**Norfolk County Council Education** invites knitters to join them on Monday evenings from 7.30-9.30pm and learn more about the automatic patterning possibilities of your knitting machine. During the spring term 1994 the topics will include: How to get more out of a punchcard, Designing your own punchcards, Alternative colourways, Manual techniques combined with automatic patterning, Single motif work, Knitweave,

# *From the Editor*

**Dear Readers**

**I now resemble a Botticelli angel and have finally come to the decision that I will never buy or knit anything again on a promise. Having gone up a size (well I'm only admitting to one size) I've finally accepted my larger shape and in future I'm going to dress for comfort.**
**This month's issue is packed with cosy warm sweaters and jackets to snuggle up in on cold winter days. There is something to appeal to all the family and for all standards of ability and makes of machine including the Passap/Pfaff and the chunky. We have ribs, Fair Isle and Shetlands, many in soft creams and greys, a real touch of understated class.**
**Our four stunning jackets are guaranteed to be winners with all age groups. The perfect enhancement to every wardrobe as they are so easy and comfortable to wear, less cumbersome than coats but perfect to keep the January chill at bay.**
**We welcome Janet Cooke to the 'team'. Her series of articles which starts this month is called 'You and Your Brother' and will be a sure favourite with Brother owners. Janet will explain over the months just how to get the most out of your machine.**
**We receive many letters and requests from our readers but one in particular that has consistently cropped up is for more 'Hints and Tips'. Any fact we ourselves know or short cuts we use we tend to take for granted. However, if this information is passed on to another person to whom it is new it can be a great revelation and extremely helpful. If you have any tips or short cuts pass them on to us — you may see your name in print.**
**The whole team at *MKN* are full of plans and ideas to delight our readers over the coming twelve months. We have stacks of exciting new articles and original information from the world of machine knitting to inspire you on to greater things and whet your appetite for more. Above all, we will be bringing you the finest selection of machine knitted garments that makes *MKN* your magazine, the world's leading and most stylish magazine for the machine knitter. My granny used to say 'If you get the best you can leave the rest'. Very true.**
**Everyone at *MKN* joins me in wishing all of you a very happy and prosperous New Year.**

You need never buy or punch another card again. For full details, two sample patterns and one pre-punched card, send £1.50,S.A.E.(A4)
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# CLUBS

## NEW CLUBS

| NAME | SEC/ORGANISER | TELEPHONE NO | VENUE | DAY | TIME |
|---|---|---|---|---|---|
| MOSTON M K CLUB | Janette Morton (Sec)<br>Sharon Cartwright (Treas) | 061 681 1149<br>061 682 2890 | Simpson Memorial Hall,<br>Moston Lane, Moston,<br>Manchester | Every Monday | 7-9pm |
| HAPPY KNITTERS | Laura Lewis (Org) | 0970 85655 | Saron Vestry,<br>Llanbadarn Fawr,<br>Aberystwyth, Dyfed | Every Tuesday | 7-9.30pm |
| BITTERNE M K CLUB | Pat Wilson (Sec) | 0703 431683 | Kanes Hill School,<br>Hinkler Road,<br>Thornhill, Southampton | 3rd Thursday | 7.30-9.30pm |

## NEW VENUE

| NAME | SEC/ORGANISER | TELEPHONE NO | VENUE | DAY | TIME |
|---|---|---|---|---|---|
| LOUGHTON M K CLUB | Mrs Sheard (Sec)<br>Miss Hunt (Chair) | 081 508 5248<br>081 502 0588 | Lincoln Hall,<br>Loughton | Alternate Mondays | 2-4pm |
| TEIGN M KNITTERS CLUB | Helen Finch (Sec)<br>Gloria Miller (Leader) | 0803 524279<br>0803 873588 | St Leonards Church Hall,<br>Wolborough Street,<br>Newton Abbot, Devon | 2nd and 4th<br>Fridays | 7-9.30pm |

tuck stitch and slip stitch. The course is for 12 weeks beginning Monday 10th January 1994 at Wymondham Adult Education Centre, Folly Road, Wymondham, Norfolk NR18 0NT. For further information telephone 0953 601580 (24 hour answerphone).

## FASHION FOCUS

Fashion Focus puts the spotlight on Amanda Griffiths M.A. of the Royal College of Art who recently graduated and is specialising in knitwear.

Amanda's collection for Autumn/Winter '94/'95 is the result of a year of research into the idea of asymmetry in silhouette and fabric distortion, plus a general rethinking of the structure and construction of knitwear.

The two-dimensional cubist images of Picasso have been used to suggest new garment shapes and constructions — but many ideas are 'fabric led'. The use of lycra and unusual yarn combinations has developed extreme fabric qualities and weights within one garment. The natural behaviour of the fabric, the contrast of drape and stretch, soft and hard, have suggested its use and type of finishing — whether it be a cuff, hem or neckline.

Amanda has used fully fashioning, Intarsia and drop stitch techniques to achieve unusual shapes, and has been enabled to eliminate seams and finishings, by knitting garments in one fabric piece.

## CONGRATULATIONS

**Mrs C J McAlpine of Barnwood, Gloucester is the lucky winner of the Horn K4 Knitting Machine Cabinet, Drawer and Chair from the *MKN* September competition. Well done!**

## FREEBIE

**If you suffer from cold feet then machine knitted slipper socks from The Button Lady could be the answer this winter. We have two pairs of soles in each of sizes 5, 6, 7, 8, 9 and 10 to give away, complete with instructions for making slippers. Just send a card with your name and address, marked Slipper Socks and state the size required to *Machine Knitting News*, Litharne Ltd, PO Box 9, Stratford-upon-Avon, Warwickshire CV37 8RS to arrive not later than January 31st 1994. Details on the slipper socks are available from The Button Lady, 16 Hollyfield Road South, Sutton Coldfield, West Midlands B76 8NX. Tel: 021-329 3234.**

# SHOW REPORT

**1st prize**
**Camberley Machine Knitting Club**

The National Knitting and Needlecraft Exhibition was held at Birmingham NEC from the 7th to the 10th October. Right in the centre of the country, the exhibition attracts knitters and stitchers from all over the UK and abroad.

There were hundreds of exhibitors offering an amazing selection of products to the enthusiastic visitors and even people who neither knit or sew found many items to interest them.

We sometimes feel that machine knitting does not always get the recognition it deserves but on Friday, Central Television came and interviewed a selection of exhibitors, visitors and filmed part of the fashion show for transmission on its local news programme on Friday night.

*Machine Knitting News* ran its second Club Competition this year and the winners were presented with their prizes by our publisher Gerry Fox, at the 2 o'clock fashion show on Saturday. We were overwhelmed by the standard of garments that were entered, our panel of judges had a very difficult job judging. Considerations taken into account were the quality of workmanship, originality of design, imagination and the choice of yarn. After very careful deliberation the following winners were chosen.

First Prize went to Camberley Machine Knitting Club who received the Brother System 90 Intoshape which was generously donated by Clwyd Technics, plus the *MKN* Shield which they keep for a year.

The runners up were Little Acorn Machine Knitting Club from Seaford, East Sussex who

**2nd prize**
**Little Acorn Machine Knitting Club**

were the lucky winners of £100 worth of Many A Mickle yarn and the *MKN* Cup. The third prize went to Abingdon Machine Knitting Club whose imaginative design was inspired by stained glass windows. They received subscriptions to *Machine Knitting News* and *Machine Knit Today* plus a set of Marion Nelson pattern cards, the Maintenance Video and magazine and the *MKN* Salver.

The competition will be held again next year so do start planning now. The only stipulation is that anyone who enters must belong to a club on our listing, any garment can be entered and there is no limit to the number of entries per club. Have a go, it could be your lucky year in '94. Watch out in future issues of the magazine for further details and information about the super prizes to be won.

There were four fashion shows each day under the expert direction of Paul Baccara with a record number of garments on show, the audiences were well entertained and then frantically spent their time trying to get the materials to make what they had seen!

Besides all this there were eight lectures each day in the exhibitors' workshops which were all really well attended, the workshops are the ideal opportunity to get expert advice on your chosen subject, enabling you to advance your craft to further levels.

As if all this was not enough we had further excitement on Saturday evening when Paul Baccara appeared on the Challenge Anneka programme. The challenge was to put together a special charity fashion range which was designed by Jasper Conran. The profits from every purchase will go to the Rainbows appeal for a children's respite hospice in the East Midlands. Paul does a lot of work for Littlewoods and as the range is being sold through their Home Shopping Group, Paul was asked to organise the fashion show. On TV two nights on the trot, we won't be able to get him for the shows next!

If you want more information about Rainbows or wish to make a donation contact Gail Moore, Rainbows Appeal Office, Cope House, Tower Street, Leicester LE1 6WS.

We as the sponsors of the show and Nationwide, the organisers, are aware that there was a problem with some of the coach parking this year. The NEC will issue a number of set down and pick up tickets, so if your coach operator contacts their traffic department, prior to next year's exhibition this situation can be avoided. As we will be in Hall 1 again next year, coaches will again be parking in the west car park. For the convenience of our visitors we will have a special entrance at the rear of the hall, but to use this it will be imperative that you have advance tickets, which of course will save you money. Trafficking at such a large venue is complicated and varies depending on the number of exhibitions running at any given time. So if you are coming in a coach party next year get your tickets in advance and you will only have a short walk. Another word of warning is to remember an umbrella — the heavens really opened on the Friday just as people were leaving and as the weather had looked so promising many visitors were unprepared for it. We have no control over that!

**3rd prize**
**Abingdon Machine Knitting Club**

Ebor
1

# y and Ivory

## 1

## Lady's Chunky Jacket

***MACHINES**: These instructions are written for chunky punchcard machines with ribber. We used a Brother 260 with ribber*
***MACHINES WITHOUT RIBBER**: Knit ribs by hand*
***YARN**: Forsell 4 ply Wool used double throughout*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Ivory 100 (MC) and Charcoal 159 (C)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to T. Forsell & Son Ltd, Blaby Road, South Wigston, Leics LE8 2SG*

**SIZES**
To suit bust 86[91:96:101:106]cm.
Finished measurement 104[110:116:120:126]cm.
Length 68[69:70:71:72]cm.
Sleeve seam 44[45:46:47:48]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Forsell 4 ply Wool.
1 x 500g cone in MC.
1 x 500g cone in C.
10 buttons.

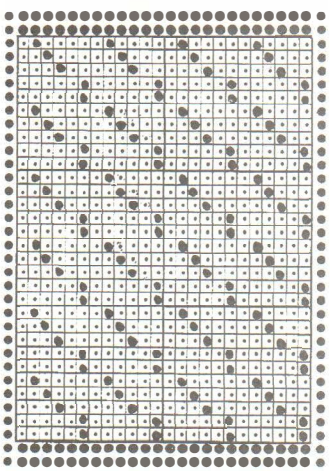
**GARMENT WEIGHS**
699g for size 91cm.

**MAIN TENSION**
Wash, dry and lightly press tension swatch before measuring.
17.5 sts and 17.5 rows to 10cm measured over Fair Isle patt (tension dial approx 8).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Yarn is used double throughout.
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card before starting to knit.



12 st repeat

**BACK**
With RB in position, set machine for 1x1 rib. Push 45[47:50:52:54] Ns at left and 46[48:51:53:55] Ns at right of centre '0' on MB to WP. 91[95:101:105:109] Ns.
* Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K2 rows.
Using C, K4 rows.
Using MC, K4 rows.
Rep the last 8 rows, once more.
Using C, K4 rows. RC shows 22.
Transfer sts to MB *.
Inc 1 st at left edge.
92[96:102:106:110] sts.
** Insert punchcard and lock on first row. Make free move to select ending CAR.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B and MT, work in patt **.
K56 rows.
**SHAPE ARMHOLES**
Cast off 9 sts at beg of next 2 rows. 74[78:84:88:92] sts.
K until RC shows 100[102:104:106:108].
**SHAPE SHOULDERS**
Cast off 11[12:13:14:15] sts at beg of next 4[4:2:2:2] rows.
Cast off 0[0:14:15:16] sts at beg of next 0[0:2:2:2] rows. RC shows 104[106:108:110:112].
Cast off rem 30 sts loosely.

**RIGHT FRONT**
With RB in position, set machine for 1x1 rib. Commencing with N4 at right, push 43[45:47:49:51] Ns at right of centre '0' on MB to WP. Work as given for back from * to *.
Inc 0[1:1:1:2] sts at right edge. 43[46:48:50:53] sts.
Work as given for back from ** to **.
K until RC shows 56. CAR.
**SHAPE ARMHOLE**
Cast off 9 sts at beg of next row. 34[37:39:41:44] sts.
K until RC shows 91[93:95:97:99]. CAL.
**SHAPE NECK**
Cast off 4 sts at beg of next row. K1 row.
Cast off 3 sts at beg of next and every foll alt row, 1[2:1:1:2] times in all. K1 row.
Cast off 2 sts at beg of next and every foll alt row, 2[1:2:2:1] times in all. K1 row.
Dec 1 st at beg of next row. RC shows 100[102:104:106:108]. 22[24:27:29:31] sts. CAR.
**SHAPE SHOULDER**
Cast off 11[12:13:14:15] sts at beg of next row.
K1 row.
Cast off rem 11[12:14:15:16] sts.

**LEFT FRONT**
Work as given for right front, reversing needle settings and shapings.

**SLEEVES**
Push 28 Ns at left and right of

## 3 His 'n' Hers Balaclava

For instructions see page 15

## 2 Man's Chunky Sweater

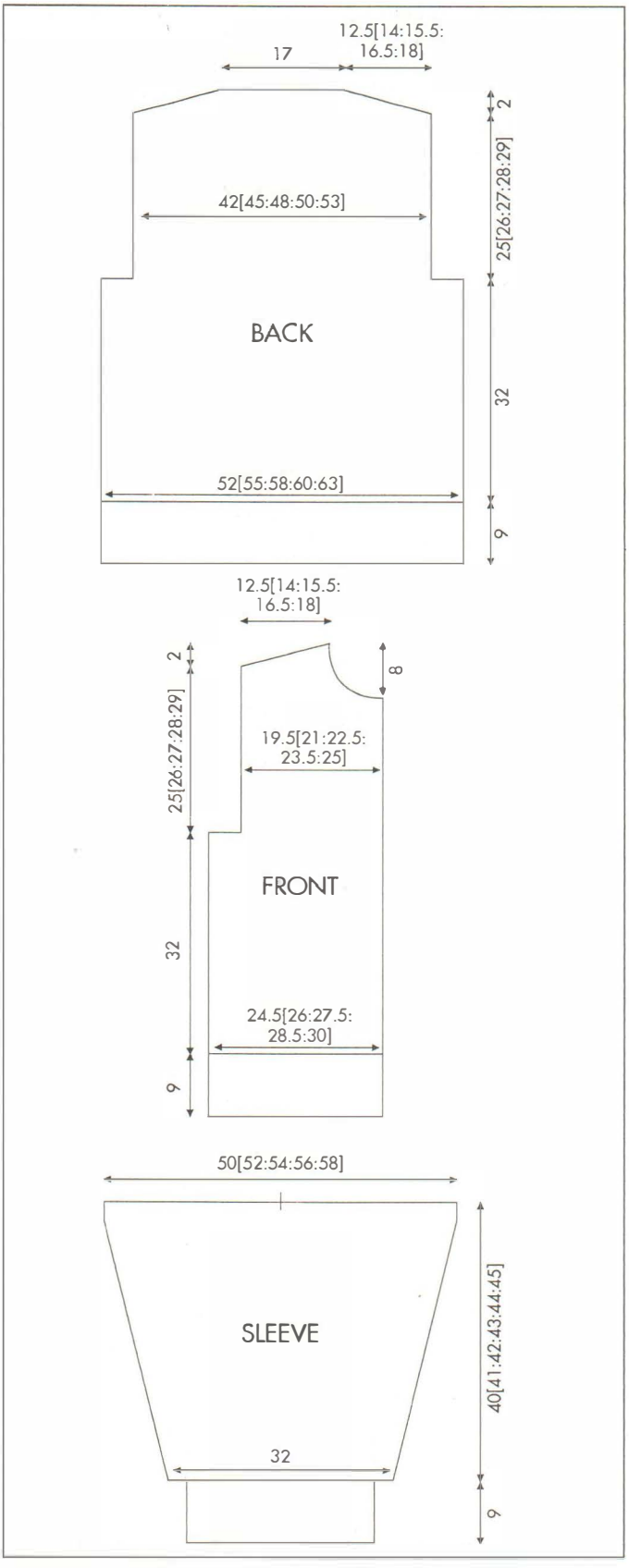
For instructions see page 14

centre '0' to WP. 56 Ns.
Using WY, cast on and K a few rows ending CAR.
Using nylon cord, K1 row.
Insert punchcard and lock on first row. Set machine for patt. Using MC and MT-1, K1 row to select. Release punchcard.
Set RC at 000. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B and MT, work in patt.
Shape sides by inc 1 st at each end of every foll 4th[4th:4th:3rd:3rd] row, 12[8:4:22:20] times and then on every foll 3rd[3rd:3rd:0:alt] row, 4[10:16:0:4] times.
88[92:96:100:104] sts.
K until RC shows 70[72:74:76:78].
Mark centre st and cast off loosely.

**CUFFS**
With RB in position, set machine for 1x1 rib.
Push 19[19:20:20:21] Ns at left and 20[20:21:21:22] Ns at right of centre '0' on MB to WP. 39[39:41:41:43] Ns.
Work as given for back from * to *.
With wrong side facing, hang lower edge of sleeve on to Ns, dec 17[17:15:15:13] sts evenly as you go.
Using MT-1, K1 row. Cast off loosely.

**NECKBAND**
Join shoulder seams.
With RB in position, set machine for 1x1 rib. Push 32 Ns at left and 33 Ns at right of centre '0' on MB to WP. 65 Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K12 rows.
Using C, K4 rows.
Using MC, K6 rows. RC shows 22.
Transfer sts to MB. Using MT-1, K2 rows.
Using WY, K a few rows and release from machine.
Steam press the last st st rows of neckband to set sts.
Backstitch neckband in position to right side of garment. Remove WY. Fold in half to inside and slip stitch cast on edge in place.

**BUTTON BAND**
With RB in position, set machine for 1x1 rib. Push 48[49:50:51:52] Ns at left and 49[50:51:52:53] Ns at right of centre '0' on MB to WP. 97[99:101:103:105] Ns.
Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using C, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K2 rows.
Using MC, K8 rows. RC shows 10.
Transfer sts to MB.
Using MT-1, K2 rows.




Using WY, K a few rows and release from machine.

**BUTTONHOLE BAND**
Work as given for button band, making 10 evenly spaced buttonholes when RC shows 5. Start and finish buttonholes approx 1cm in from each end.

**TO MAKE UP**
Steam press the last st st rows of front band to set sts. Pin bands to right side of appropriate front edge. Backstitch in place through open loops worked in MC. Remove WY.
Sew in sleeves matching centre marker to shoulder seam.
Join side and sleeve seams. Sew on buttons.
Wash, rinse and spin garment. Block out to correct shape and size. Leave to dry.
Lightly steam press on wrong side.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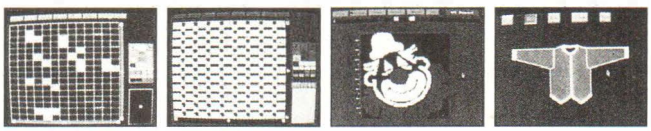

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# 2

# Ebony and I

## Man's Chunky Sweater

ILLUSTRATED ON PAGE 12

***MACHINES**: These instructions are written for chunky punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: Knit ribs by hand*
***YARN**: Forsell 4 ply Wool used double throughout*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Charcoal 159 (MC) and Ivory (C)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to T Forsell & Son Ltd, Blaby Road, South Wigston, Leics LE8 2SG*

**SIZES**
To suit chest 96[101:106:111:116:121]cm.
Finished measurement 112[116:120:124:128:130]cm.
Length 69[70:71:72:73:74]cm.
Sleeve seam 48[49:50:51:52:53]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Forsell 4 ply Wool.
1 x 500g cone in MC.
1 x 500g cone in C.

**GARMENT WEIGHS**
726g for size 106cm.

**MAIN TENSION**
Wash, dry and lightly press tension swatch before measuring.
17.5 sts and 16.5 rows to 10cm measured over Fair Isle patt (tension dial approx 9).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Yarn is used double throughout. Knit side is used as right side. Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card as given for Lady's Chunky Jacket, Pattern 1 on page 11, before starting to knit.

**BACK**
With RB in position, set machine for 1x1 rib. Push 48[50:52:53:54:54] Ns at left and 49[51:53:54:55:55] Ns at right of centre '0' on MB to WP. 97[101:105:107:109:109] Ns. Push corresponding Ns on RB to WP.
* Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K2 rows.
Using C, K4 rows.
Using MC, K4 rows.
Rep the last 8 rows once more.
Using C, K4 rows. RC shows 22.
Transfer sts to MB *.
Inc 1[1:1:1:2:3] sts at left and 0[0:0:0:1:2] sts at right by gradually moving work outwards and filling empty Ns with heel of adjacent st. 98[102:106:108:112:114] sts.
Insert punchcard and lock on first row. Make a free move to select first row ending CAR.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B and MT, work in patt.
K 54[56:56:58:58:60] rows.

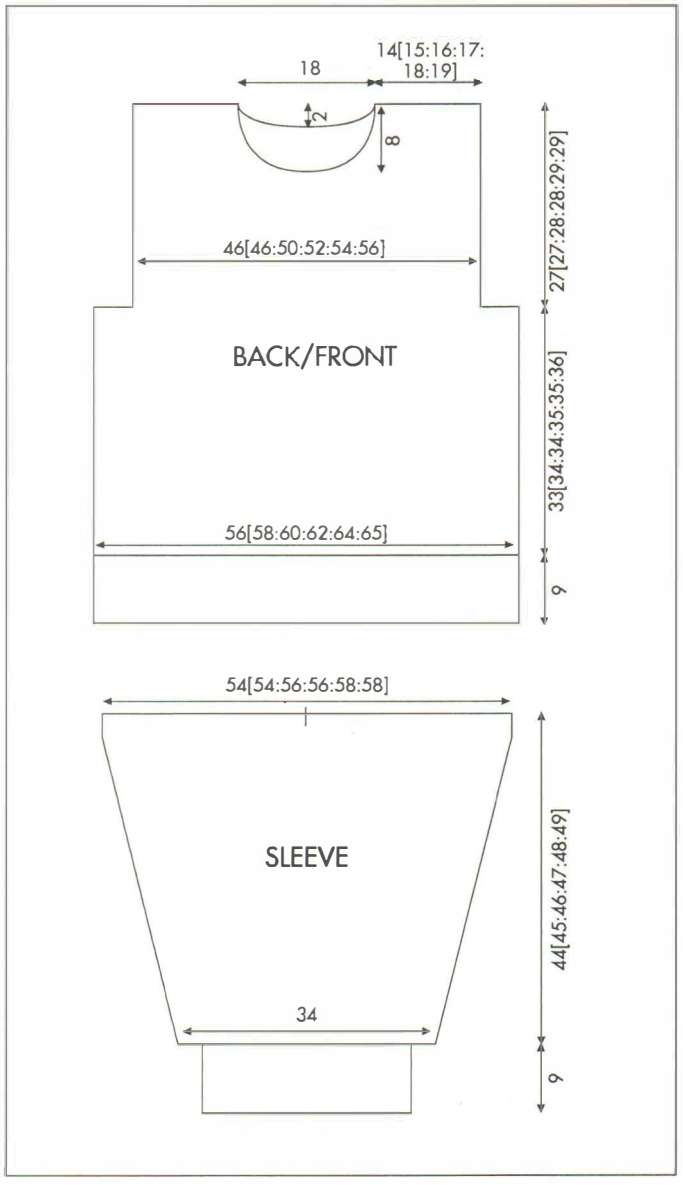
**SHAPE ARMHOLES**
Cast off 9 sts at beg of next 2 rows. 80[84:88:90:94:96] sts.
K until RC shows 94[96:98:100:102:104]. CAR.

**SHAPE NECK**
Make a note of row on punchcard. Using a separate length of MC, cast off the centre 22 sts. Using nylon cord, K 29[31:33:34:36:37] sts at left by hand taking Ns down into NWP. Cont on rem 29[31:33:34:36:37] sts at right for first side.
K1 row.
Cast off 3 sts at beg of next row.
K1 row.
Cast off 2 sts at beg of next row.
24[26:28:29:31:32] sts. RC shows 98[100:102:104:106:108]. Cast off loosely.
Unravel nylon cord over sts at left. Reset punchcard on row previously noted. Reset RC at 94[96:98:100:102:104]. Complete to correspond with first side, reversing shapings.

**FRONT**
Work as given for back until RC shows 84[86:88:90:92:94]. CAR.

**SHAPE NECK**
Make a note of row on punchcard. Using a separate length of MC, cast off the centre 10 sts. Using nylon cord, K 35[37:39:40:42:43] sts at left by hand taking Ns down into NWP. Cont on rem 35[37:39:40:42:43] sts at right for first side.
K1 row.
Cast off 3 sts at beg of next and foll alt row. K1 row.
Cast off 2 sts at beg of next and foll alt row. K1 row.
Dec 1 st at beg of next row. 24[26:28:29:31:32] sts.
K until RC shows 98[100:102:104:106:108]. Cast off loosely.
Unravel nylon cord over sts at left. Reset punchcard on row previously noted. Reset RC at 84[86:88:90:92:94]. Complete to correspond with first side, reversing shapings.

**SLEEVES**
Push 30 Ns at left and right of centre '0' to WP. 60 Ns.
Using WY, cast on and K a few rows ending CAR.
Using nylon cord, K1 row.
Insert punchcard and lock on first row. Using MC and MT-1, K1 row to select. CAR.
Set RC at 000. Release



# vory

punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B and MT, work in patt.
Shape sides by inc 1 st at each end of every foll 4th row, 13[15:11:13:9:11] times and then on every foll 3rd row, 4[2:8:6:12:10] times.
94[94:98:98:102:102] sts.
K until RC shows 72[74:76:78:80:82]. Mark centre st and cast off loosely.

**CUFFS**
With RB in position, set machine for 1x1 rib. Push 20 Ns at left and 21 Ns at right of centre '0' on MB to WP. 41 Ns.
Push corresponding Ns on RB to WP.
Work as given for back from * to *.
With wrong side facing, hang lower edge of sleeve on to Ns, dec 19 sts evenly as you go.
Using MT-1, K1 row. Cast off loosely.

**NECKBAND**
With RB in position, set machine for 1x1 rib. Push 42 Ns at left and 43 Ns at right of centre '0' on MB to WP. 85 Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K2 rows.
Using C, K4 rows.
Using MC, K4 rows.
Rep these last 8 rows, once more.
Using C, K3 rows. RC shows 21.
Transfer sts to MB. Using MT-1, K2 rows.
Using WY, K a few rows and release from machine.

**TO MAKE UP**
Join shoulder seams. Join neckband seam.
Steam press the last 2 st st rows of neckband to set sts. Pin neckband in place to right side of garment. Backstitch through open loops of last row. Remove WY. Fold in half to inside and slip stitch cast on edge in place.
Sew in sleeves matching centre marker to shoulder seam.
Join side and sleeve seams.
Wash, rinse and spin garment.
Block out to correct shape and size. Leave to dry.
Lightly steam press on wrong side.

# 3

## His 'n' Hers Balaclava

ILLUSTRATED ON PAGES 10 & 12

***MACHINES**: These instructions are written for chunky machines with ribber*
***MACHINES WITHOUT RIBBER**: Knit ribs by hand*
***YARN**: Forsell 4 ply Wool used double throughout*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: Lady's version: We used Ivory 100 (MC) and Charcoal 159 (C). Man's version: We used Charcoal 159 (MC) and Ivory 100 (C)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to T Forsell & Son Ltd, Blaby Road, South Wigston, Leics LE8 2SG*

**SIZES**
To suit Lady[Man].
Figures in square brackets [ ] refer to man's size; where there is only one set of figures, this applies to both sizes.

**MATERIALS**
Forsell 4 ply Wool.
Approx 100[120]g in MC.
30g in C.

**GARMENT WEIGHS**
Lady's: 77g.
Man's: 93g.

**MAIN TENSION**
Please note different tensions achieved using MC yarns.
Wash, dry and lightly press tension swatch before measuring.
**Lady's version:** 17 sts and 23.5 rows to 10cm measured over st st using MC — Ivory (tension dial approx 6=MT).
**Man's version:** 18.5 sts and 21 rows to 10cm measured over st st using MC — Charcoal (tension dial approx 6=MT).
Tension must be matched exactly before starting garment.

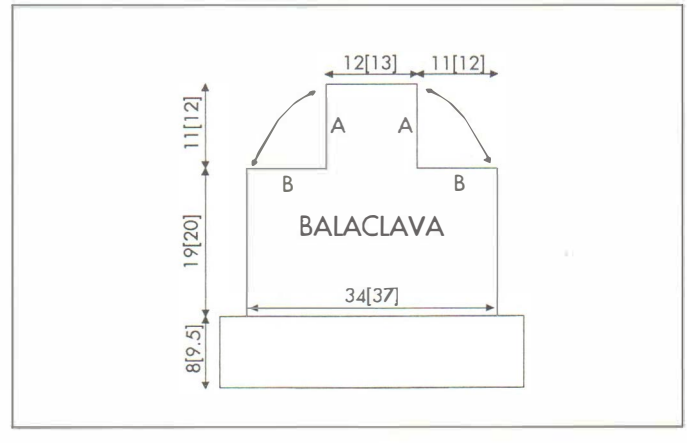
**ABBREVIATIONS**
See page 113.

**NOTE**
Yarn is used double throughout.
Knit side is used as right side.
Measurements given are those of finished article and should not be used to measure work on the machine.

**BALACLAVA**
With RB in position, set machine for 1x1 rib. Push 32[38] Ns at left and 33[39] Ns at right of centre '0' on MB to WP. 65[77] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using C, cast on and K3 tubular rows.
Set RC at 000. Using MT-3/MT-3, K2 rows.
Using MC, K until RC shows 8[10].
Using MT-4/MT-4, K until RC shows 20[24].
Transfer sts to MB. Using a separate length of yarn where necessary, cast off 9[10] sts at each end. 47[57] sts.
Using WY, K a few rows and release from machine.
Push 29[34] Ns at left and right of centre '0' to WP. 58[68] Ns.
With wrong side facing, hang sts held on WY on to Ns, inc 11 sts evenly as you go.
Remove WY.
Set RC at 000. Using MC and MT, K 44[42] rows.
Cast off 19[22] sts at beg of next 2 rows.
20[24] sts. K until RC shows 70[68].
Cast off loosely.

**BAND**
With RB in position, set machine for 1x1 rib. Push 46[51] Ns at left and 47[52] Ns at right of centre '0' on MB to WP. 93[103] Ns.
Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using C, cast on and K3 tubular rows.
Set RC at 000. Using MT-3/MT-3, K2 rows.
Using MC, K6 rows. RC shows 8.
Transfer sts to MB.
Using MT, K2 rows.
Using WY, K a few rows and release from machine.

**TO MAKE UP**
Join crown 'A-B' seams as indicated in diagram.
Steam press last 2 st st rows of band to set sts.
Pin band evenly around front edge of balaclava. Backstitch in place through open loops of last row worked in MC and remove WY.
Join centre front seam.
Wash, rinse and dry article.



# The Ripple

*Laraine is 'making waves' this month using a technique suitable for all gauges of electronic machine*

This month we are going to learn how to make a ripple effect pattern by picking up small groups of stitches. We will start with a plain version and then introduce some pattern into the second swatch.

**SWATCH 1**

You do not need to switch your machine on at this stage since we are going to knit our first swatch in stocking stitch. The ripple effect of this fabric is created by picking up two stitches at intervals across the row, every 14 rows.

Using grey 2 ply, cast on 25 stitches at each side of centre '0'. 50 stitches in all.

Knit a few rows.

*NOTE:* Although I am using a 2 ply yarn on my Silver Reed SK840 standard gauge electronic, you can of course use 3 or 4 ply if you prefer. For those of you using a different gauge of Silver Reed electronic machine, follow the instructions for the swatches, but use an appropriate thickness of yarn.

Now to continue with our instructions for Swatch 1.

* Knit 2 rows black 2 ply.

Knit 12 rows grey 2 ply.

**To create the ripple effect**

Pick up stitches from the last row knitted in black and place them on to needles in the following way:

Pick up the centre 2 stitches from the last row knitted in black and place on to the 2 centre needles (i.e. 1 at left and 1 at right of centre '0').

Pick up 2 stitches from the last row knitted in black and place on to needles 16 and 17 at left of centre '0'.

Pick up 2 stitches from the last row knitted in black and place on to needles 16 and 17 at right of centre '0'.

So, to recap on those instructions in a more abbreviated form — pick up 2 stitches from the last row knitted in black and place on to needles 16 and 17 at left of centre '0', needles 1 at left and 1 at right of centre '0', and needles 16 and 17 at right of centre '0'. You now have 3 groups of 2 'picked up stitches' with 14 needles between each group.

**TIP:** So that you can see more easily the stitches you are supposed to be picking up, push the appropriate needles out a fraction. Then pull the knitting down, below the first group of needles, so that you can follow the straight lines of grey stitches down to the appropriate black stitches you need to pick up. I used a two pronged transfer tool to pick up the stitches and continued to pull the knitting down gently until I had inserted the prongs into the stitches. Once you have picked up the first group of stitches, repeat the process for the next two groups.

Continuing with our swatch instructions, knit 2 rows black 2 ply.

Knit 12 rows grey 2 ply.

We are now going to create the ripple effect again, but over a different set of needles.

Pick up 2 stitches from the last row knitted in black and place on to needles 24 and 25, 8 and 9 at left of centre '0' and 8 and 9, 24 and 25 at right of centre '0'. Four groups of 2 'picked up stitches' with 14 needles between each group *.

Repeat from * to * throughout.

*NOTE:* To save you having to read through all the explanations of this technique which are included in the instructions from * to *, here are the instructions for Swatch 1 in their basic form.

* Knit 2 rows black.

Knit 12 rows grey.

Pick up 2 stitches from the last row knitted in black and place on to needles 16 and 17 at left of centre '0', needles 1 at left and 1 at right of centre '0' and needles 16 and 17 at right of centre '0'.

Knit 2 rows black.

Knit 12 rows grey.

Pick up 2 stitches from the last row knitted in black and place on to needles 26 and 25, 8 and 9 at left of centre '0' and 8 and 9, 24 and 25 at right of centre '0' *.

Repeat from * to * throughout.

**SWATCH 2**

Now we are going to introduce pattern in to the ripple effect fabric, so this is the time to switch on your machine. We are going to use a couple of different patterns from the set of design sheets which comes with your EC1 pattern controller. Both patterns are on sheet 1, but the instructions will involve resetting your pattern width indicators throughout. However, if you would rather not do that, you could redraw the patterns on to a blank design sheet and even include the plain rows on the sheet to save resetting the pattern lever each time for stocking stitch and Fair Isle. Although I do not usually bother redrawing a pattern in this way for an experimental swatch, I certainly would if I decided to knit a garment using this fabric.

**INSTRUCTIONS**

Buttons 1 left and 2 left.

Needle 1 cam at centre '0'.

Point cams 25 each side of centre '0'.

Using grey 2 ply, cast on 25 stitches at each side of centre '0' and knit a few rows.

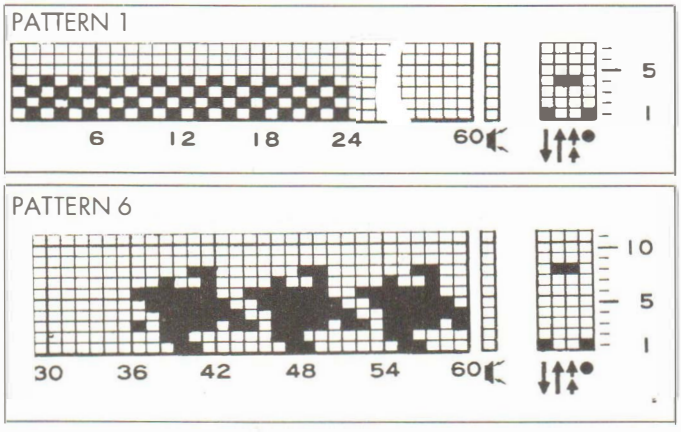
Inspection light on.

Insert design sheet 1.

** Set pattern controller to row 1 of pattern 6.

Set pattern width indicators to 36 and 60.

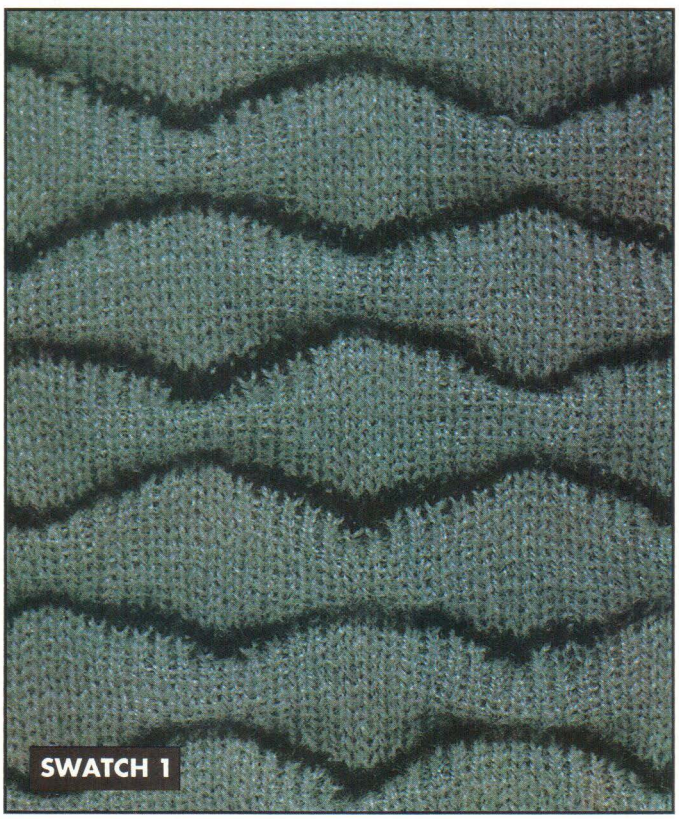
With carriage set for stocking



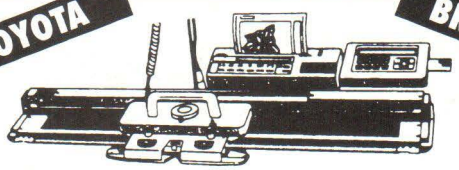
# Effect

stitch, knit 2 rows black 2 ply.
Knit 2 rows grey 2 ply.
Inspection light off.
Set carriage for Fair Isle.
With grey 2 ply in feeder 1 and cream 2 ply in feeder 2, knit 8 rows.
Inspection light on.
Set carriage for stocking stitch.
Knit 2 rows grey 2 ply.
Pick up 2 stitches from the last row knitted in black and place on to needles 16 and 17 at left of centre '0', needles 1 at left and 1 at right of centre '0' and needles 16 and 17 at right of centre '0'.
Set pattern controller to row 1 of pattern 1.
Set pattern width indicators to 0 and 24.
Knit 2 rows black 2 ply.
Knit 2 rows grey 2 ply.
Inspection light off.
Set carriage for Fair Isle.
With grey 2 ply in feeder 1 and cream 2 ply in feeder 2, knit 8 rows.
Inspection light on.
Set carriage for stocking stitch.
Knit 2 rows grey 2 ply.
Pick up stitches from the last row knitted in black and place on to needles 24 and 25, 8 and 9 at left of centre '0' and 8 and 9, 24 and 25 at right of centre '0' **.
Repeat from ** to ** throughout.
Now you have learnt the technique for creating a ripple effect fabric, you can experiment with your own versions. Vary the gap between the stitches you pick up and the rows between. Try different Fair Isle patterns or simply introduce stripes. See what you can come up with before we try something else next month.

Laraine


SWATCH 1

SWATCH 2

TOYOTA
BROTHER

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# Family Gathering

**5** Lady's Fair Isle Sweater

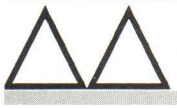
For instructions see page 20

**6** Child's Fair Isle Sweater

For instructions see page 22

# 4

## Man's Sweater with Fair Isle Band



***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: King Cole 4 ply Anti-Tickle Wool*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Aran 46 (MC), Clerical 49 (A) and Anthracite 12 (B)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to King Cole Ltd, Merrie Mills, Old Souls Way, Bingley, W. Yorks BD16 2AX*

**SIZES**
To suit chest 96[101:106:111:116:121]cm.
Finished measurement 109[116:120:125:129:133]cm.
Length 65.5[65.5:67.5:67.5:69.5:69.5]cm.
Sleeve seam 53[53:54:54:55:55]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
King Cole 4 ply Anti-Tickle Wool.
2 x 50g ball in MC.
1 x 500g cone in A.
1 x 500g cone in B.

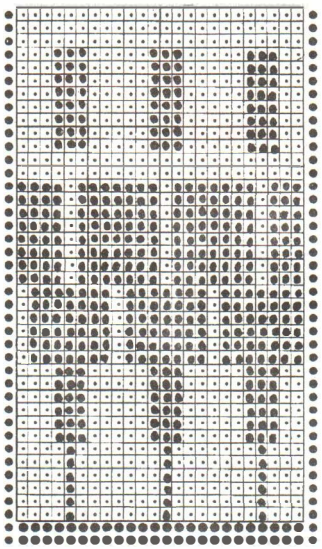
**GARMENT WEIGHS**
541g for size 111cm.

**MAIN TENSION**
Wash, dry and press tension swatch before measuring.
30 sts and 38 rows to 10cm measured over st st (tension dial approx 7).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

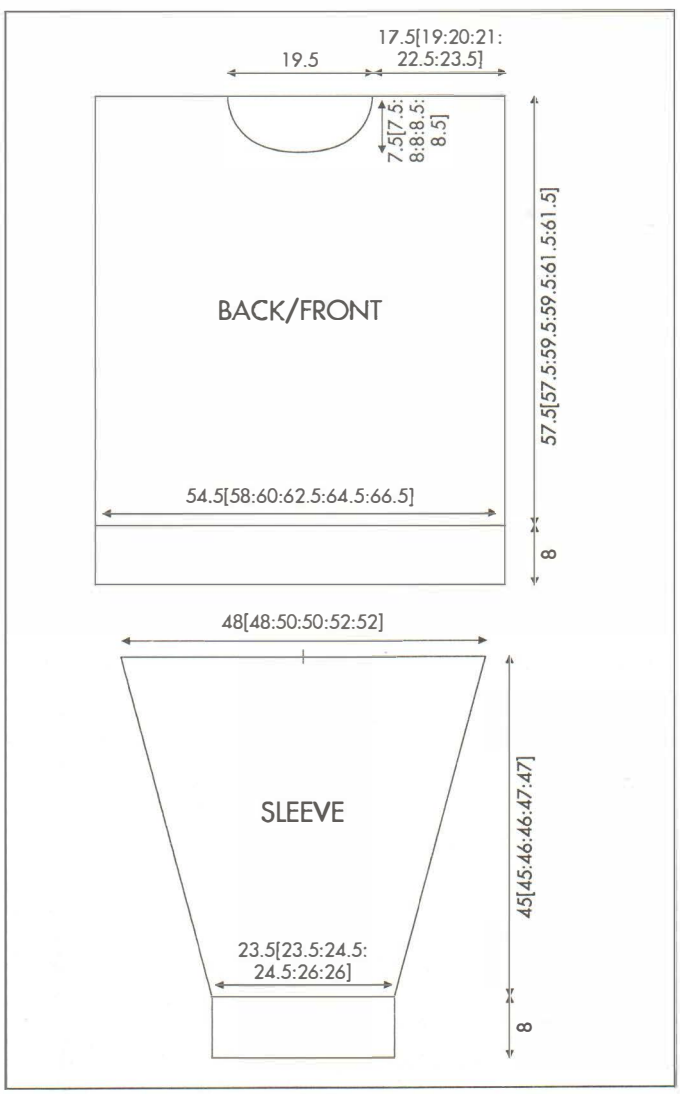
**PUNCHCARD PATTERN**
Punch card before starting to knit.



**COLOUR SEQUENCE**
B+MC, K18 rows.
A+MC, K8 rows.
A only, K2 rows.
A+MC, K8 rows.
36 rows to patt.

**BACK**
With RB in position, set machine for 1x1 rib. Push 82[87:90:94:97:100] Ns at left and right of centre '0' on MB to WP. 164[174:180:188:194:200] Ns.
* Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR. Using A, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K36 rows. Transfer sts to MB *.
Using B and MT, K 124[124:130:130:136:136] rows.
** Insert punchcard and lock on first row. Set machine for patt. K1 row to select.
Release punchcard. Set carriage for Fair Isle knitting. Using MT+1• and foll colour sequence given, K36 rows.
Set machine for st st **. Using A and MT, K until RC shows 218[218:226:226:234:234].
Mark the centre 58 sts for neck width. Cast off loosely.

**FRONT**
Work as given for back until RC shows 190[190:196:196:202:202]. CAR.



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**SHAPE NECK**
Using a separate length of A, cast off the centre 30 sts. Using nylon cord, K 67[72:75:79:82:85] sts at left by hand taking Ns down into NWP. Cont on rem 67[72:75:79:82:85] sts at right for first side.
K1 row.
Dec 1 st at neck edge on every row, 7 times and then on every foll alt row, 7 times.
53[58:61:65:68:71] sts.
K until RC shows 218[218:226:226:234:234].
Cast off loosely.
Unravel nylon cord over rem sts at left.
Reset RC at 190[190:196:196:202:202].
Complete to correspond with first side, reversing shapings.

**SLEEVES**
With RB in position, set machine for 1x1 rib. Push 35[35:37:37:39:39] Ns at left and right of centre '0' on MB to WP.
70[70:74:74:78:78] Ns.
Work as given for back from * to *.
Set RC at 000. Using B and MT, shape sides by inc 1 st at each end of next and every foll 3rd row, 10 times in all and then on every foll 5th row, 27[27:28:28:29:29] times.
*At the same time*, when RC shows 89[89:91:91:93:93], work as given for back from ** to **.
Using A and MT, K until RC shows 170[170:174:174:178:178].
144[144:150:150:156:156] sts.
Mark the centre st. Cast off loosely.

**NECKBAND**
Join right shoulder seam.
With RB in position, set machine for 1x1 rib. Push 152[152:156:156:160:160] Ns on MB and corresponding Ns on RB to WP.
Arrange Ns for 1x1 rib.
Using A, cast on and K3 tubular rows.
Set RC at 000. Using MT-4/MT-4, K26 rows.
Transfer sts to MB. With wrong side facing, hang neck edge evenly on to Ns. Using MT+2, K1 row.
Cast off loosely.

**TO MAKE UP**
Join rem shoulder and neckband seam.
Fold neckband in half to inside and slip stitch in place.
Sew in sleeves matching centre marker to shoulder seam.
Join side and sleeve seams.
Wash and spin garment. Block out to correct measurments and leave to dry. Press on wrong side.

# 5

## Lady's Fair Isle Sweater

ILLUSTRATED ON PAGE 18

***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: King Cole 4 ply Anti-Tickle Wool*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Aran 46 (MC), Clerical 49 (A) and Anthracite 12 (B)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to King Cole Ltd, Merrie Mills, Old Souls Way, Bingley, W. Yorks BD16 2AX*

**SIZES**
To suit bust 86[91:96:101:106]cm.
Finished measurement 102[108:113:119:124]cm.
Length 63[63:65:65:67]cm.
Sleeve seam 50[50:51:51:52]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
King Cole 4 ply Anti-Tickle Wool.
1 x 500g cone in MC.
1[1:1:2:2] x 50g ball in A.
3[3:3:4:4] x 50g ball in B.

**GARMENT WEIGHS**
523g for size 96cm.

**MAIN TENSIONS**
Wash, dry and press tension swatch before measuring.
30 sts and 36 rows to 10cm measured over Fair Isle patt (tension dial approx 8•=MT).
30 sts and 38 rows to 10cm measured over st st (tension dial approx 7=MT-1•).
Tensions must be matched exactly before starting garment.

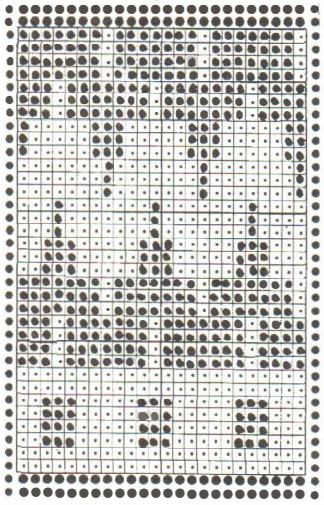
# Family Gathering

**ABBREVIATIONS**
See page 113.

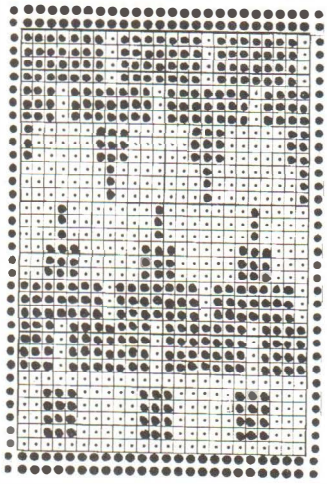
**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch appropriate card for size of garment before starting to knit.

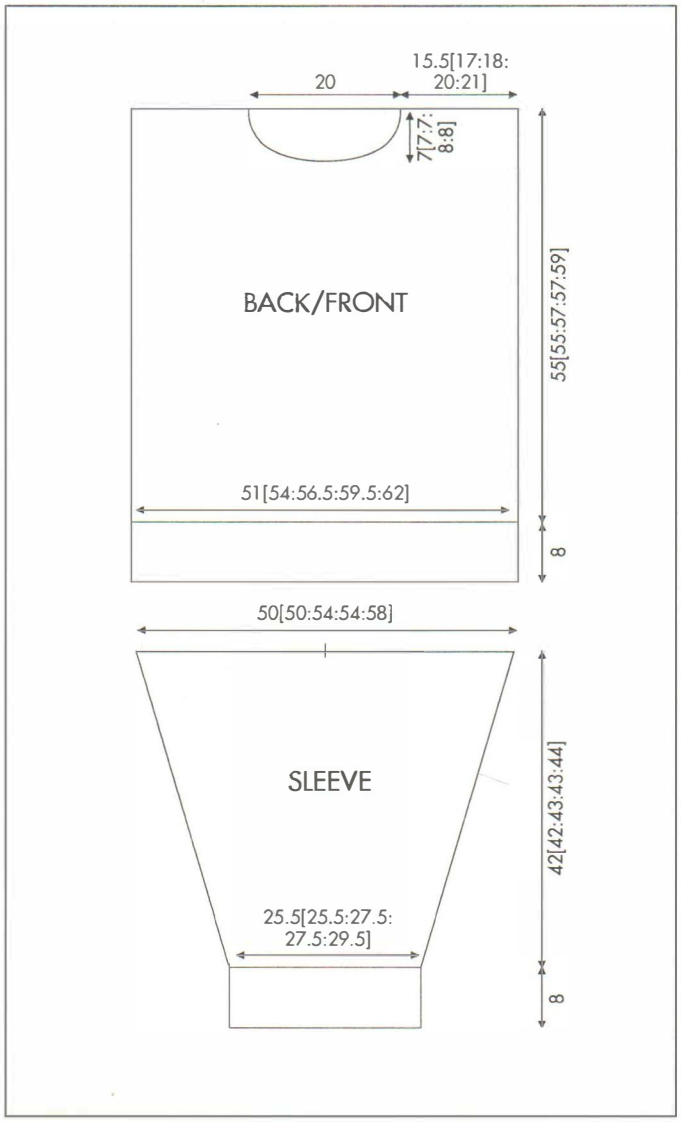
PUNCHCARD
FOR SIZES 86 AND 91cm



PUNCHCARD
FOR SIZES 96,101 AND 106cm



**COLOUR SEQUENCE**
MC only, K 1[1:2:2:2] rows.
MC+A, K4 rows.
MC only, K 1[1:2:2:2] rows.
MC+B, K26 rows.
Rep these 32[32:34:34:34] rows throughout.




**BACK**
With RB in position, set machine for 1x1 rib. Push 77[81:85:89:93] Ns at left and right of centre '0' on MB to WP. 154[162:170:178:186] Ns.
* Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6/MT-6, K36 rows. Transfer sts to MB *.
Set RC at 000. Using MC and MT, K 0[0:0:0:4] rows.
Insert punchcard and lock on first row. Disconnect RC. Make a free move to select first row ending CAR. Reconnect RC. Release punchcard. Set carriage for Fair Isle knitting. Foll colour sequence given, work in patt.
K until RC shows 134[134:142:142:146].
Set machine for st st. Using MC and MT-1•, K until RC shows 202[202:210:210:218].
Mark the centre 60 sts for neck width.
Cast off loosely.

**FRONT**
Work as given for back until RC shows 176[176:184:180:188]. CAR.

**SHAPE NECK**
Using a separate length of MC, cast off the centre 30 sts. Using nylon cord, K 62[66:70:74:78] sts at left by hand taking Ns down into NWP. Cont on rem 62[66:70:74:78] sts at right for first side. K1 row.
Dec 1 st at neck edge on every row, 12 times.
Dec 1 st at neck edge on every foll alt row, 3 times. 47[51:55:59:63] sts. K until RC shows 202[202:210: 210:218]. Cast off loosely.
Unravel nylon cord over rem sts at left. Reset RC at 176[176:184:180:188]. Complete to correspond with first side, reversing shapings.

**SLEEVES**
With RB in position, set machine for 1x1 rib. Push 38[38:41:41:44] Ns at left and right of centre '0' on MB to WP. 76[76:82:82:88] Ns.
Work as given for back from * to *.
Set RC at 000. Using MC and MT-1•, inc 1 st at each end of next and every foll 3rd row, 15[15:20:20:25] times in all and then on every foll 5th row, 22[22:20:20:18] times.
*At the same time*, when RC shows 39[39:39:39:41], insert punchcard and lock on row 1. Set machine for patt. K1 row to s l ct.
Release punchcard. Set carriage for Fair Isle knitting. Using MT and foll colour sequence given, K 38[38:42:42:42] rows of patt.
Set machine for st st. Using MC and MT-1•, work until RC shows 158[158:162:162:168]. 150[150:162:162:174] sts.
Mark the centre st and cast off loosely.

**NECKBAND**
Join right shoulder seam.
With RB in position, set machine for 1x1 rib. Push 156[156:156:164:164] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K26 rows. Transfer sts to MB.
With wrong side facing, hang neck edge evenly on to Ns. Using MT+1, K1 row. Cast off loosely.

**TO MAKE UP**
Join rem shoulder and neckband seam. Fold neckband in half to inside and slip stitch in place.
Sew in sleeves matching centre marker to shoulder seam.
Join side and sleeve seams.
Wash and spin garment. Block out to correct size and shape. Leave to dry. Press on wrong side.

# 6

# Child's Fair Isle Sweater

ILLUSTRATED ON PAGE 18

***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: King Cole 4 ply Anti-Tickle Wool.*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Aran 46 (MC), Clerical 49 (A) and Anthracite 12 (B)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to King Cole Ltd, Merrie Mills, Old Souls Way, Bingley, W. Yorks BD16 2AX*

**SIZES**
To suit chest 61[66:71:76]cm.
Finished measurement 72[77:83:88]cm.
Length 50.5[50.5:55.5:55.5]cm.
Sleeve seam 40.5[42:43.5:45.5]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
King Cole 4 ply Anti-Tickle Wool.
5[5:6:7] x 50g ball in MC.
3[3:4:4] x 50g ball in A.
1[1:2:2] x 50g ball in B.

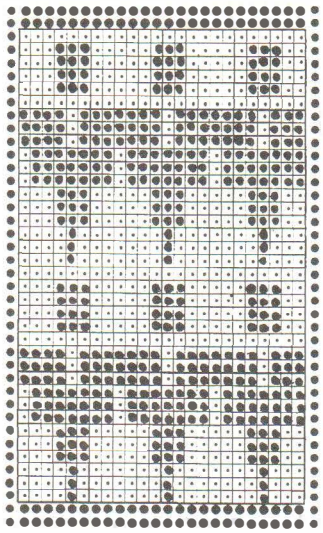
**GARMENT WEIGHS**
334g for size 66cm.

**MAIN TENSION**
Wash, dry and press tension swatch before measuring.
30 sts and 36 rows to 10cm measured over Fair Isle patt (tension dial approx 8•).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card before starting to knit.



**COLOUR SEQUENCE**
**BACK AND FRONT**
Commencing on row 1 of punchcard.
MC+A, K12 rows.
** MC only, K1 row.
MC+B, K4 rows.
MC only, K1 row.
Rep these 18 rows throughout.
**SLEEVES**
Commencing on row 1[13:13:1] of punchcard.
**SIZES 61 and 76cm**
Foll colour sequence given for back and front.
**SIZES 66 and 71cm**
Foll colour sequence given for back and front but commencing at **.

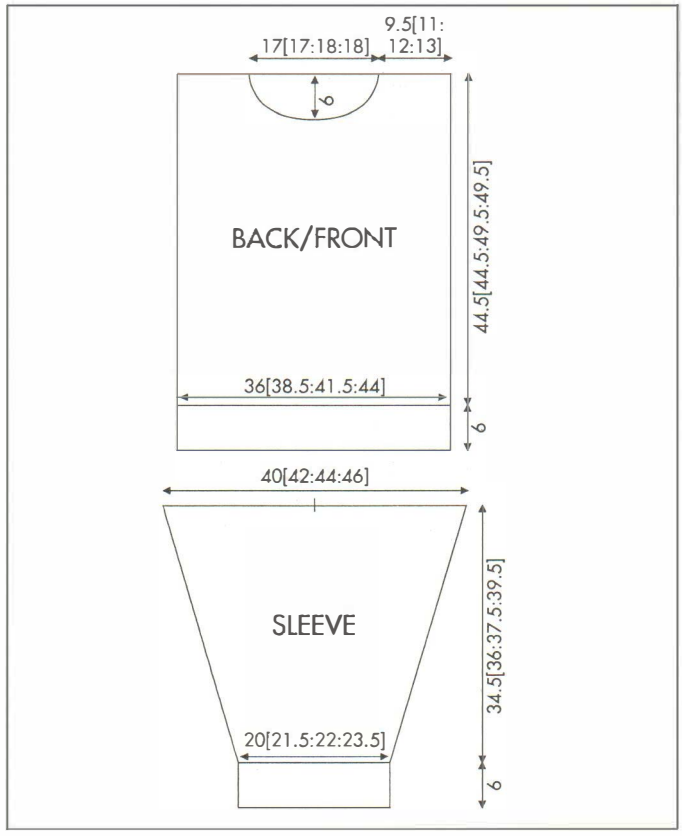
**BACK**
With RB in position, set machine for 1x1 rib. Push 54[58:62:66] Ns at left and right of centre '0' on MB to WP.
108[116:124:132] Ns.
* Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using B, cast on and K3 tubular rows.
Set RC at 000. Using MT-6/MT-6, K28 rows. Transfer sts to MB *.
Set RC at 000. Using MC and MT-1, K1 row.
Insert punchcard and lock on first row.
Set machine for patt.
K1 row to select. Release punchcard. Set carriage for Fair Isle knitting. Using MT and foll colour sequence given, work in patt.
K until RC shows 158[158:176:176].
Set machine for st st. Using MC and MT-1, K2 rows. RC shows 160[160:178:178].
Mark the centre 52[52:56:56] sts for neck width. Cast off loosely.

**FRONT**
Work as given for back until RC shows 138[138:156:156]. CAR.
**SHAPE NECK**
Make a note of row on punchcard. Using a separate length of MC, cast off the centre 26[26:28:28] sts. Using nylon cord, K 41[45:48:52] sts at left by hand taking Ns down into NWP. Cont on rem 41[45:48:52] sts at right for first side. K1 row.
Dec 1 st at neck edge on every row, 13[13:14:14] times.
28[32:34:38] sts.
K until RC shows 158[158:176:176].
Set machine for st st. Using MC and MT-1, K2 rows. Cast off loosely.
Unravel nylon cord over sts at left. Reset punchcard on row previously noted. Reset RC at 138[138:156:156]. Starting at correct position in colour sequence, complete to correspond with first side, reversing shapings.

**SLEEVES**
With RB in position, set machine for 1x1 rib. Push 30[32:33:35] Ns at left and right of centre '0' on MB to WP. 60[64:66:70] Ns.
Work as given for back from * to *.
Set RC at 000. Using MC and MT-1, K1 row.
Insert punchcard and lock on row 1[13:13:1]. Set machine for patt. K1 row to select. Release punchcard. Using MT and foll colour sequence given, work in patt.
*At the same time*, inc 1 st at each end of next and every foll 3rd row, 15 times in all.
Inc 1 st at each end of every foll 5th row, 15[16:18:19] times.
120[126:132:138] sts.
When RC shows 122[128:134:140], set machine for st st. Using MC and MT-1, K2 rows. Mark centre st. Cast off loosely.

**NECKBAND**
Join right shoulder seam.
With RB in position, set machine for 1x1 rib.
Push 140[140:148:148] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. Using B, cast on and K3 tubular rows.
Set RC at 000. Using MT-5/MT-5, K24 rows. Transfer sts to MB.
With wrong side facing, hang neck edge evenly on to Ns. Using MT+1, K1 row. Cast off loosely.

**TO MAKE UP**
Join rem shoulder and neckband seam.
Fold neckband in half to inside and slip stitch in place.
Sew in sleeves matching centre marker to shoulder seams.
Join side and sleeve seams.
Wash and spin garment. Block out to correct measurements and leave to dry. Press on wrong side.



# Hints and Tips

***Have you overcome a specific problem? Share your discovery with other readers and we'll pay you £10 for your trouble!***

**TIME SAVING**
People who need to cut down on time doing repetitive work on their machines may like to follow this idea while knitting smaller sizes. Using shorter combs and the centre of each half of the machine beds and the Intarsia carriage, two small bonnets, sleeves or premature baby and doll's clothes can be worked at the same time. I would advise stabilising the cones by your feet when you make the changeover from ribbing to the Intarsia carriage.
**Mrs D G Viner**
**Banbury**
**Oxon**

**WELL HELD**
Keep your Gütermann 100m sewing thread spools. They make very good ravel/nylon cord holders because there is a notched groove at the top of the spool in which one can tuck the end of the cord to keep it in place when not in use.
**Mrs G S Kurzyca**
**Bournemouth**
**Dorset**

**THE PERFECT SOLE**
Having recently knitted a toddler's sleeping suit for a friend I was rather concerned about the soles which if made in leather (pliable) would be slippery. Accidents in the home are all too common and more so with toddlers and the elderly. I put my thinking cap on and came up with a solution that might be helpful to other knitters. I purchased a pair of non-slip soles which cost approx £3 from a dance studio shop and from a pair of size 6, I was able to cut (with scissors) two pairs for my friend's two year old. These soles are used by professional ballroom dancers and can be stuck or sewn on to the sleeping suits, slippers, or socks.
I hope this tip will be of some use.
**Mrs R Fox**
**Birmingham**

**ONCE ROUND THE GATE**
I wonder if this tip will be a help to other readers.
I have always had difficulty in making a loose cast off. That is, until I hit on this idea. I found that picking up the first stitch and passing it behind the gate peg before picking up the second gave me a loose edge, and also held the piece evenly to the end. Another advantage is that when casting off the first half of the neck you can pull the stitches down to the bottom of the gate pegs and they will not interfere with the movement of the carriage.
**Mr F A Coe**
**Sunbury-on-Thames**

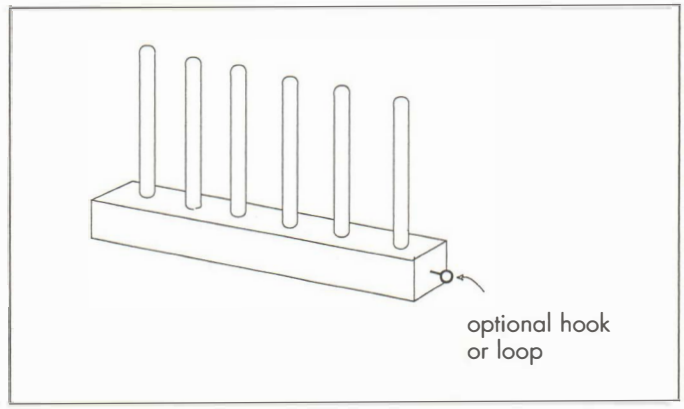
**AS IF BY MAGIC**
Some magic ways of speeding up sewing in ends in picture knitting. May I offer the following ways that I have found useful.
1. After the work is finished, using some shop bought pre-quilted fabric placed on the wrong side. Use a sewing machine, stitch around the picture outline, and then stitch around some of the main shapes inside. This gives a good quilted effect, holds all the ends inside the fabric on the wrong side and can up-grade a simple picture into something special.
2. While you are working, when you have finished with a colour, fasten off and cut, leaving a 6-8 inch end. Then as you knit the following rows just pass the end around the yarn that is being worked. Do this for a few rows, you can then stop as the end is well 'tucked'.

I hope these are of some use.
**M Blackmore**
**Tycoch**
**Swansea**

**MY WAY**
I am a relatively new owner of a ribber after knitting ribs by hand for two years. I have read through all my old issues of *MKN* looking for tips to avoid a wavy and loose cast on edge. They are all so complicated and I did not think much to the result so I tried my own way.
Set your needles. Set tension dial to '0'. Move carriage to the left, holding wool between fingers slightly, tightening wool so making a smaller zig-zag. Carry on for the next three rows in this way. This makes a much tighter and neater edge.
**N Carson**
**St Albans**
**Herts**

*I am pleased you have found a method that suits you, just a note of warning though — this method will make the edge less elastic so although you will find it suitable for button bands and pocket tops or any area that doesn't need to stretch, you will find a more elastic edge better for neckbands and cuffs.*
***Ed***

**MEET DOBBIN**
One thing all machine knitters have in common is lots and lots of cone-ends of bits and pieces which sometimes take up more room than they are worth, but at spring-cleaning time it is always a case of 'that might come in useful one fine day'. Does this sound familiar?
My husband invented a wonderful Cone Horse which I call, of all things, 'Dobbin'. It took about half an hour to make, fits into a very small space, cost less than £5 and I would not be without it. I thought your readers might like to know how to make one!
You need a block of wood for the base; mine is 60cm long by 10cm wide and 3cm thick, but any size can be used to suit your available space. A trip to the local hardware shop produced two 120cm broom-shanks which were cut into three pieces, each 40cm long. My husband drilled evenly-spaced holes the same diameter as the broom-shanks, three-quarters of the way through the wooden base and hammered them well in, then he sanded and waxed the whole thing. He used wax rather than varnish because I wanted to use it now!
Every time I have a cone-end taking up valuable space, I wind it into a small cone on the winder and slip it onto Dobbin, which takes the ends from around 35 to 40 cones, all visible at once. It also comes in very useful for drying pompom hats by the fireside!
Instead of standing Dobbin on something near your yarn store, it could be hung out of the way somewhere by means of a hook at one end. My husband is still inventing things for the knitting machine — I'm not sure what the latest gadget is but it looks like a sixteen hole yarn-arm, and all my metal coat-hangers have mysteriously disappeared...
**Dee Murton**
**Sutherland, Scotland**



# Knitwear Pre

## AUTUMN/WINT

Knitwear had new and important roles to play in Britain's largest trade fahion show — Premier Collections which are shown to buyers at the National Exhibition Centre in Birmingham. For women, subtle contrasts in texture and colour form the basis of a 50's style theme. Cardigans are elongated into button-through dresses and twin sets are updated by combining silky ribs with fine denier knits and blended yarns. Jackets are short with peplums and belted to balance long button-through slit skirts. Décolleté necklines are made more contemporary by layering skirts or dresses over textured skinny knitwear separates. Colours are muted and blended marle, jaspe and tweed forms. Mohair, bouclé and angora are used to create an extra dimension. Colours for the Fifty-Fifty look are ecru, sand, taupe, charcoal, anthracite, silver, midnight and chocolate.

In a section called 'Snowline' a wintery theme is inspired by traditional Tyrolean costume. Knitwear features strongly and incorporates

**SNOWLINE**

**FIFTY-FIFTY**

# eview —

## ER '93/'94

updated Jacquards, abstract snow flakes and photo-realist snow scenes. Garments are accessorised with fringes, braids, fake fur, suede and leather trims. Chunky ribs combine with simple colour-blocked checks and panels to give a sporty ski-wear appearance. Skirts are simple and wrapped with rustic embroidery detail or blanket stitch on pockets or hem. Garments have a hand-crafted look with a fresh healthy outdoor appeal. Colours here — indigo, carmine, oatmeal, chestnut, heather, pine, silver grey and donkey.
To a slightly lesser degree, knitwear makes its mark among the trends for men's wear particularly forming the core of the aprés-ski theme, accessorised with metal clip fastenings and Jacquard designs. Chunky, fisherman knits and wide ribs are layered with knitted waistcoats and tank tops — topped with styled-up donkey jackets and duffle coats.
Separates for men have a luxury element of cashmere, camel, silk, wool or Sea Island cotton. The cardigan becomes important replacing the jacket as the third layer between shirt and coat. Colours in the separates group pinpoint stone, taupe, olive, cream, buttermilk, khaki, chocolate, charcoal and tan.

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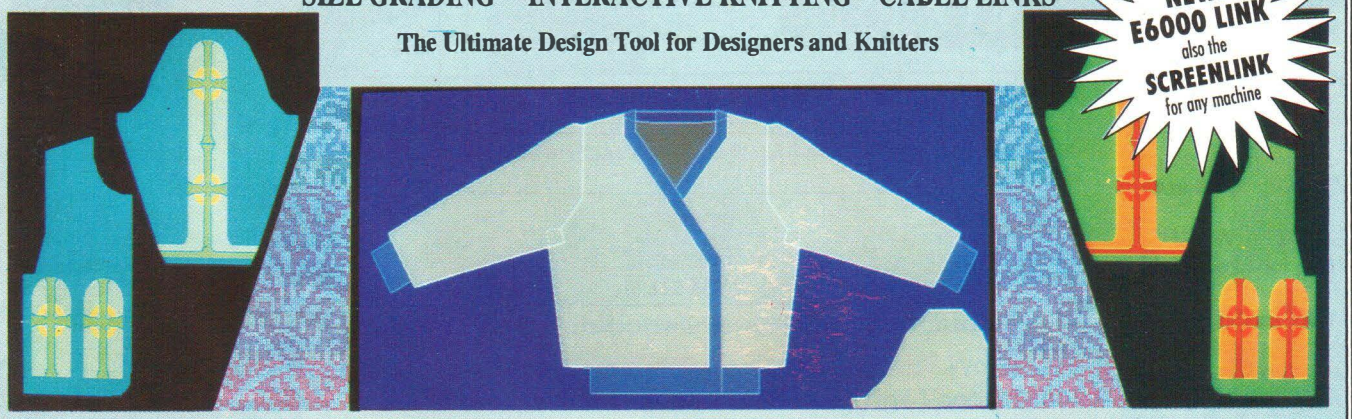

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# 7 Family Gatherin

## Man's Sweater

△△

***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: Forsell 4 ply Wool and 4 ply Pot Pourri*
***FIBRE CONTENT**: Both yarns are 100% Wool*
***COLOUR**: We used 4 ply Wool in Ivory 100 (MC) and Pot Pourri in Rose Mix 192 (C)*
***STOCKISTS**: If you have any difficulty in obtaining these yarns, please write to T. Forsell & Son Ltd, Blaby Road, South Wigston, Leics LE8 2SG*

**SIZES**
To suit chest 96-101[106-111:116-121]cm.
Finished measurement 114[123:131]cm.
Length 68[70:71]cm.
Sleeve seam 49[50:50]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Forsell 4 ply Wool.
1 x 500g cone in MC.
Forsell 4 ply Pot Pourri.
2 x 250g cones in C.

**GARMENT WEIGHS**
680g for size 106-111cm.

**MAIN TENSION**
Wash, dry and press tension swatch before measuring.
30.5 sts and 36 rows to 10cm measured over Fair Isle patt (tension dial approx 8••).
Tension must be matched exactly before starting garment.

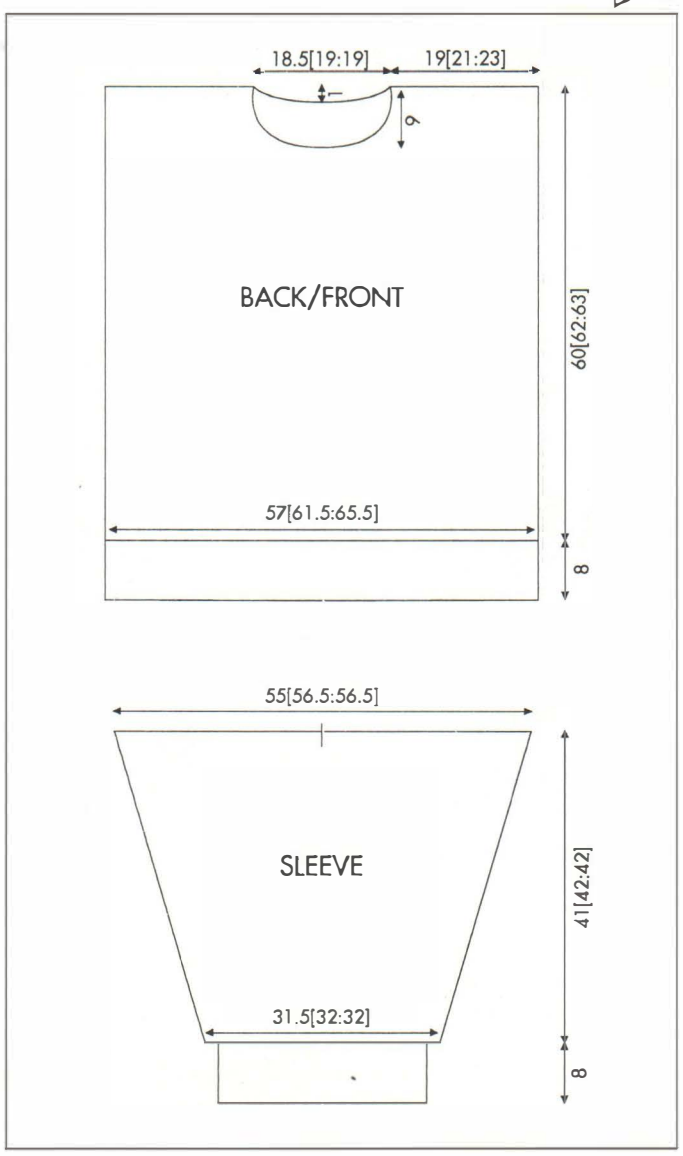
**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card before starting to knit.

**BACK**
With RB in position, set machine for 1x1 rib. Push 86[93:99] Ns at left and 87[94:100] Ns at right of centre '0' on MB to WP. 173[187:199] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows. Set RC at 000. Using MT-6••/MT-6••, K33 rows.
Transfer sts to MB. Inc 1 st at left edge. 174[188:200] sts.
Insert punchcard and lock on first row. Set machine for patt. Using MT, K1 row to select. CAR.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B, work in patt.
K until RC shows 212[218:222]. CAR.

▷28

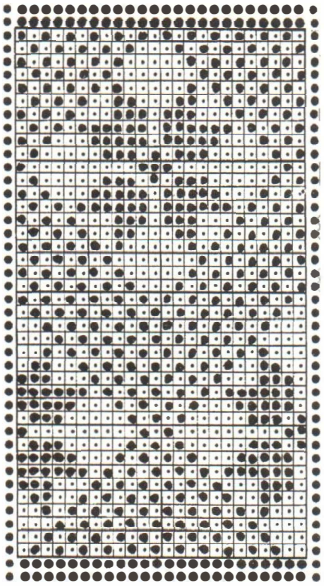


## 8 Child's Sweater

For instructions see page 29

# 9 Lady's Polo Neck Sweater

For instructions see page 30



26 **SHAPE NECK**
Make a note of row on punchcard. Using nylon cord, K 105[113:119] sts at left by hand taking Ns down into NWP. Cont on rem 69[75:81] sts at right for first side.
K2 rows.
Using nylon cord, K 10 sts at neck edge by hand taking Ns down into NWP, K2 rows. Cast off rem 59[65:71] sts loosely.
Unravel nylon cord over 69[75:81] sts at left. Reset punchcard on row previously noted. Reset RC at 212[218:222]. Complete to correspond with first side, reversing shapings.
Unravel nylon cord over rem 56[58:58] neck sts. Using WY, K a few rows and release from machine

**FRONT**
Work as given for back until RC shows 184[190:194]. CAR.
**SHAPE NECK**
Make a note of row on punchcard. Using a separate length of MC, cast off the centre 20[22:22] sts. Using nylon cord, K 77[83:89] sts at left by hand taking Ns dawn into NWP. Cont on rem 77[83:89] sts at right for first side.
K1 row.
Dec 1 st at neck edge on every row, 6 times.
K1 row.
Dec 1 st at neck edge on next and every foll alt row, 12 times in all. 59[65:71] sts.
K until RC shows 216[222:226]. Cast off loosely.
Unravel nylon cord over rem sts at left. Reset punchcard on row previously noted. Reset RC at 184[190:194]. Complete to correspond with first side, reversing shapings.

**SLEEVES**
Push 96[98:98] Ns to WP. Using WY, cast on and K a few rows ending CAL
Insert punchcard and lock on first row.
Set machine for patt.
Using MC and MT, K1 row to select.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B, work in patt.
Shape sides by inc 1 st at each end of every foll 4th row, 36[37:37] times.
168[172:172]sts.
K until RC shows 148[152:152]. Place a marker on the centre st and cast off loosely.

**CUFFS**
With RB in position, set machine for 1x1 rib. Push 75[77:77] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6••/MT-6••, K33 rows. Transfer sts to MB.
Using MT, K1 row.
With wrong side facing, hang lower edge of sleeve on to Ns, dec 21 sts evenly as you go. Using MT, K1 row. Cast off loosely.

**NECKBAND**
Join right shoulder seam.
With RB in position, set machine for 1x1 rib. Push 147[149:149] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows.
Using MT-6••/MT-6••, K31 rows.
Transfer sts to MB. Using MT-1, K1 row.
With wrong side facing, pick up 56[58:58] sts held on WY at back neck, 35 sts from side neck, 20[22:22] sts from front neck and 36 sts from side neck and hang on to Ns.
Using MT, K1 row. Cast off loosely.

**TO MAKE UP**
Wash and dry pieces. With wrong side facing, block out to correct measurements and press.
Join rem shoulder and neckband seam.
Fold neckband in half to inside and slip stitch in place.
Sew in sleeves matching centre marker to shoulder seams.
Join side and sleeve seams.
Give a final press.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# 8

## Child's Sweater

ILLUSTRATED ON PAGE 27

***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: Forsell 4 ply Wool and 4 ply Pot Pourri*
***FIBRE CONTENT**: Both yarns are 100% Wool*
***COLOUR**: We used 4 ply Wool in Ivory 100 (MC) and 4 ply Pot Pourri in Rose Mix 192 (C)*
***STOCKISTS**: If you have any difficulty in obtaining these yarns, please write to T. Forsell & Son Ltd, Blaby Road, South Wigston, Leics LE8 2SG*

**SIZES**
To suit chest 61[66:71:76]cm.
Finished measurement 73[80:86:92]cm.
Length 49[49:52:54.5]cm.
Sleeve seam 36[38:40:42]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Forsell 4 ply Wool.
1 x 500g cone in MC.
Forsell 4 ply Pot Pourri.
1 x 250g cone in C.

**GARMENT WEIGHS**
341g for size 66cm.

**MAIN TENSION**
Wash, dry and press tension swatch before measuring.
30.5 sts and 36 rows to 10cm measured over Fair Isle patt (tension dial approx 8••).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

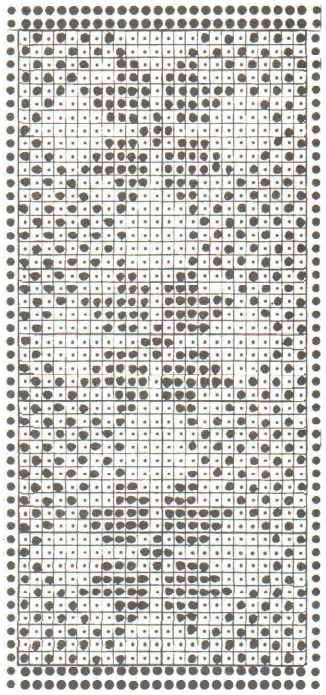
**PUNCHCARD PATTERN**
Punch card before starting to knit.

**BACK**
With RB in position, set machine for 1x1 rib. Push 55[60:65:69] Ns at left and 56[61:66:70] Ns at right of centre '0' on MB to WP. 111[121:131:139] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6••/MT-6••, K27 rows.
Transfer sts to MB. Inc 1 st at left edge. 112[122:132:140] sts.
Insert punchcard and lock on first row.
Set machine for patt.
Using MT, K1 row to select. CAR.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B, work in patt.
K until RC shows 150[150:162:170]. CAR.
**SHAPE NECK**
Make a note of position in patt. Using nylon cord, K 71[76:82:86] sts at left by hand taking Ns down into NWP. Cont on rem 41[46:50:54] sts at right for first side.
K2 rows.
Using nylon cord, K10 sts at neck edge by hand taking Ns down into NWP. K2 rows.
Cast off rem 31[36:40:44] sts loosely.
Unravel nylon cord over 41[46:50:54] sts at left. Reset punchcard on row previously noted. Reset RC at 150[150:162:170]. Complete to correspond with first side, reversing shapings.
Unravel nylon cord over rem 50[50:52:52] neck sts. Using WY, K a few rows and release from machine.

**FRONT**
Work as given for back until RC shows 128[128:140:148]. CAR.
**SHAPE NECK**
Make a note of row on punchcard. Using a separate length of MC, cast off the centre 20[20:22:22] sts. Using nylon cord, K 46[51:55:59] sts at left by hand taking Ns down into NWP. Cont on rem 46[51:55:59] sts at right for first side.
K1 row.
Dec 1 st at neck edge on every row, 5 times.
K1 row.
Dec 1 st at neck edge on next and every foll alt row, 10 times in all. 31[36:40:44] sts.
K until RC shows 154[154:166:174]. Cast off loosely.
Unravel nylon cord over rem sts at left. Reset punchcard on row previously noted. Reset RC at 128[128:140:148]. Complete to correspond with first side, reversing shapings.

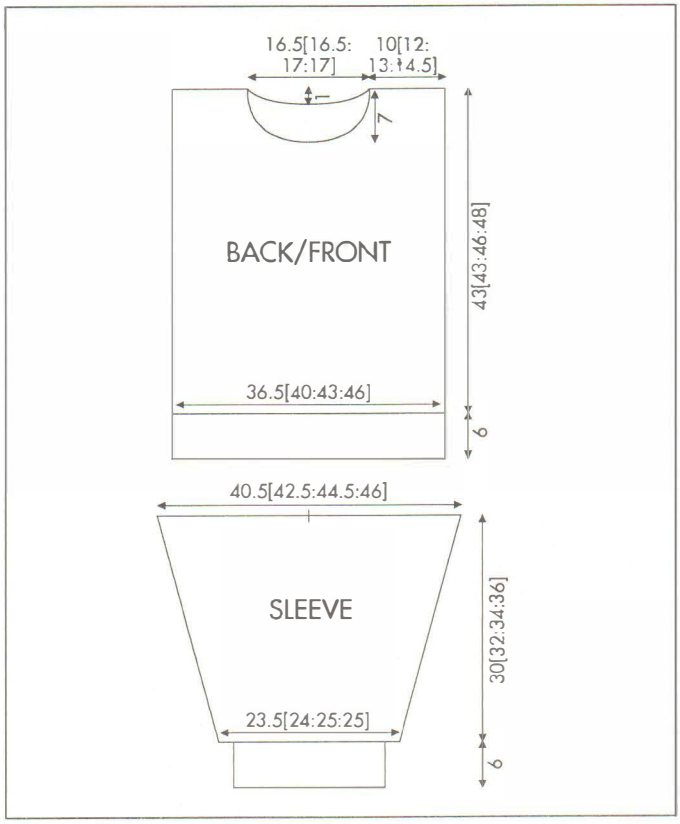
**SLEEVES**
Push 72[74:76:76] Ns to WP. Using WY, cast on and K a few rows ending CAL.
Insert punchcard and lock on first row. Set machine for patt. Using MC and MT, K1 row to select.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B, work in patt.
Shape sides by inc 1 st at each end of every foll 4th row, 26[28:30:32] times.
124[130:136:140] sts.
K until RC shows 108[116:122:130]. Place a marker on the centre st and cast off loosely.

**CUFFS**
With RB in position, set machine for 1x1 rib. Push 59[61:63:63] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6••/MT-6••, K27 rows.
Transfer sts to MB. Using MT, K1 row.
With wrong side facing, hang lower edge of sleeve on to Ns,



dec 13 sts evenly as you go. Using MT, K1 row. Cast off loosely.

**NECKBAND**
Join right shoulder seam.
With RB in position, set machine for 1x1 rib. Push 135[135:137:137] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6••/MT-6••, K29 rows.
Transfer sts to MB. Using MT-1, K1 row.
With wrong side facing, pick up 50[50:52:52] sts held on WY at



back neck, 32 sts from side neck, 20[20:22:22] sts from front neck and 33 sts from rem side neck and hang on to Ns. Using MT, K1 row. Cast off loosely.

**TO MAKE UP**
Wash and dry pieces. With wrong side facing, block out to correct measurements and press.
Join rem shoulder and neckband seam. Fold neckband in half to inside and slip stitch in place.
Sew in sleeves matching centre marker to shoulder seams.
Join side and sleeve seams.
Give a final press.

# 9

## Lady's Polo Neck Sweater

ILLUSTRATED ON PAGE 27

***MACHINES**: These instructions are written for standard gauge punchcard machines with single motif facility and ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: Forsell 4 ply Wool and 4 ply Pot Pourri*
***FIBRE CONTENT**: Both yarns are 100% Wool*
***COLOUR**: We used 4 ply Wool in Ivory 100 (MC) and 4 ply Pot Pourri in Rose Mix 192 (C)*
***STOCKISTS**: If you have any difficulty in obtaining these yarns, please write to T. Forsell & Son Ltd, Blaby Road, South Wigston, Leics LE8 2SG*

**SIZES**
To suit bust 86[91:96:101:106]cm.
Finished measurement 99[104:108:115:121]cm.
Length 64[64:66:68:68]cm.
Sleeve seam 44[44:46:46:46]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Forsell 4 ply Wool.
1[1:1:2:2] x 500g cone in MC.
Forsell 4 ply Pot Pourri.
1 x 250g cone in C.

**GARMENT WEIGHS**
526g for size 96cm.

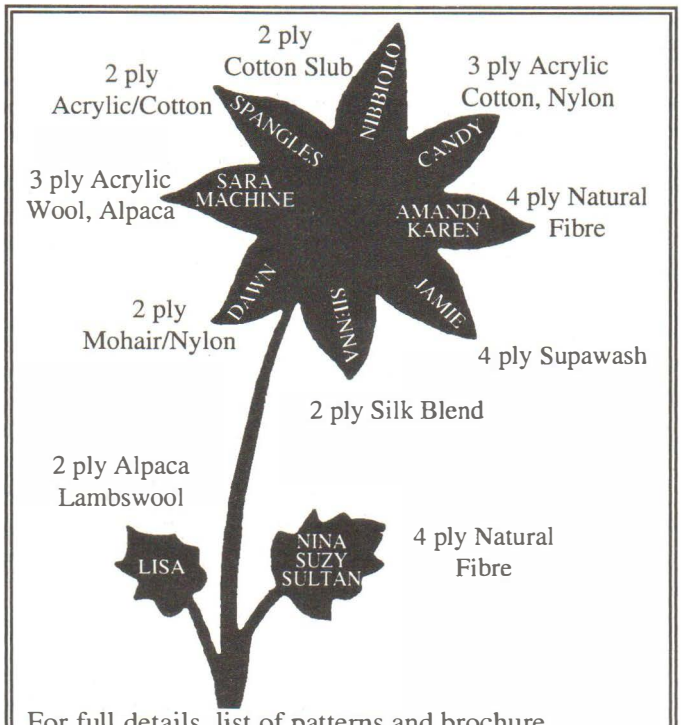
**MAIN TENSION**
Wash, dry and press tension swatch before measuring.
30 sts and 40 rows to 10cm measured over st st (tension dial approx 6).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Bind edge of motif to prevent separation.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card as given for Child's Sweater, Pattern 8 on page 29, before starting to knit.

**BACK**
* With RB in position, set machine for 1x1 rib. Push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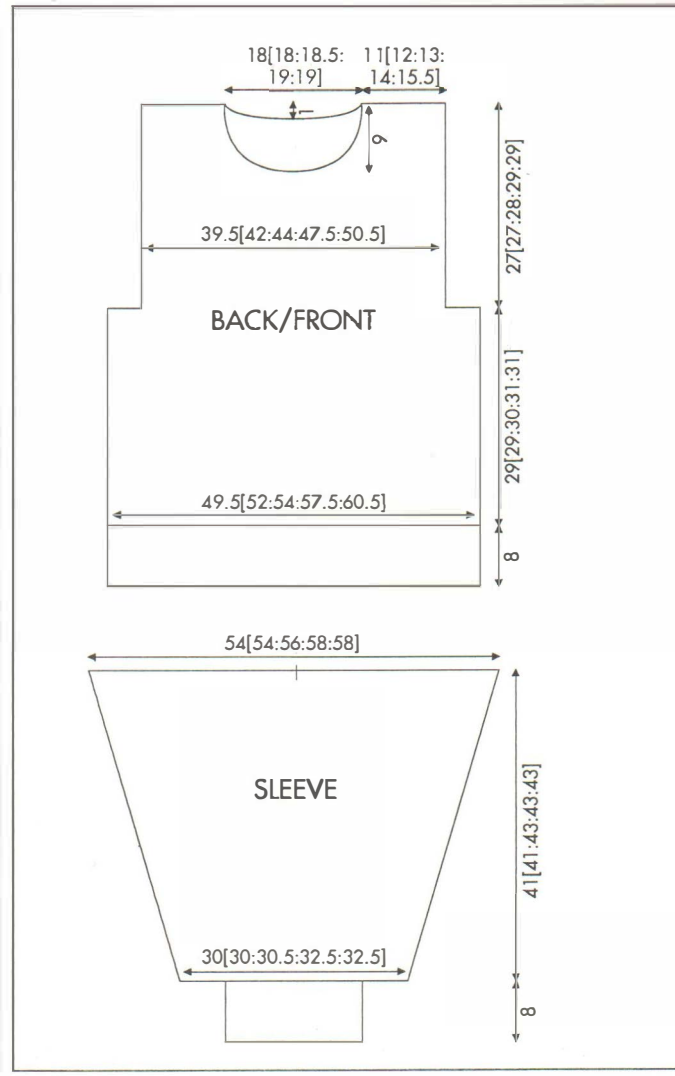

73[77:80:85:90] Ns at left and 74[78:81:86:91] Ns at right of centre '0' on MB to WP. 147[155:161:171:181] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAR.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6••/MT-6••, K33 rows.
Transfer sts to MB. Inc 1 st at left edge. 148[156:162:172:182] sts *.
Using MT, K1 row. CAR. Set RC at 000. Using MC and MT, K until RC shows 116[116:120:124:124]. CAR.

**SHAPE ARMHOLES**

Cast off 15 sts at beg of next 2 rows. 118[126:132:142:152] sts.
K until RC shows 220[220:228:236:236]. CAR.

**SHAPE NECK**

Using nylon cord, K 76[80:84:90:95] sts at left by hand taking Ns down into NWP. Cont on rem 42[46:48:52:57] sts at right for first side.
K2 rows.
Using nylon cord, K10 sts at neck edge by hand taking Ns down into NWP, K2 rows.
Cast off rem 32[36:38:42:47] sts loosely.
Unravel nylon cord over 42[46:48:52:57] sts at left. Reset RC at 220[220:228:236:236]. Complete to correspond with first side, reversing shapings.
Unravel nylon cord over rem 54[54:56:58:58] neck sts. Using WY, K a few rows and release from machine.

**FRONT**

Work as given for back from * to *.
Insert punchcard and lock on first row. ** Set machine for single motif over 12-0-12 sts. Using MT, K1 row to select.
Set RC at 000. Release punchcard. Set carriage for single motif knitting. Using MC in feeder 1/A and C in feeder 2/B, work in patt **. Work as given for back until RC shows 188[188:196:204:204].

**SHAPE NECK**

Make a note of row on punchcard. Using a separate length of MC, cast off centre 16[16:18:20:20] sts. Using nylon cord, K 51[55:57:61:66] sts at left by hand taking Ns down into NWP. Cont on rem 51[55:57:61:66] sts at right for first side.
K1 row.
Dec 1 st at neck edge on every row, 5 times.
K1 row.
Dec 1 st at neck edge on next and every foll alt row, 14 times in all. 32[36:38:42:47] sts.
K until RC shows 224[224:232:240:240]. Cast off loosely.
Unravel nylon cord over rem sts at left Reset punchcard on row previously noted. Reset RC at 188[188:196:204:204].
Complete to correspond with first side, reversing shapings.

**SLEEVES**

Push 45[45:46:49:49] Ns at left and right of centre '0' to WP.
Using WY, cast on and K a few rows ending CAL.
Insert punchcard and lock on first row. Work as given for front from ** to **.
Shape sides by inc 1 st at each end of every foll 4th row, 36[36:38:38:38] times.
162[162:168:174:174] sts.
K until RC shows 164[164:172:172:172]. Place a marker on centre st and cast off loosely.

**CUFFS**

With RB in position, set machine for 1x1 rib. Push 73[73:75:77:77] Ns on MB and corresponding Ns on RB to WP.
Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-6••/MT-6••, K33 rows.
Transfer sts to MB. Using MT, K1 row.
With wrong side facing, hang lower edge of sleeve on to Ns, dec 17[17:17:21:21] sts evenly as you go.
Using MT, K1 row. Cast off loosely.

**POLO NECKBAND**

Join right shoulder seam.
With RB in position, set machine for 1x1 rib. Push 143[143:145:147:147] Ns on MB and corresponding Ns on RB to WP. CAR.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-5••/MT-5••, K28 rows.
Using MT-6••/MT-6••, K30 rows.
Transfer sts to MB. Using MT-1/MT-1, K1 row.
With wrong side facing, hang neck edge evenly on to Ns.
Using MT, K1 row. Cast off loosely.

**TO MAKE UP**

Wash and dry pieces. With wrong side facing, block out to correct measurements and press.
Join rem shoulder seam.
Join seam of polo neckband, reversing halfway to allow for turnover to right side.
Sew in sleeves matching the centre marker to shoulder seam.
Join side and sleeve seams.
Give a final press.


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# Knitt

*Irene takes a closer look at tubular knitting and explains how it affects your cast on edge*

I was doing a little dusting this morning (yes, it was a shock to my system) and in the course of my domestic duties, I happened to pick up a photo which I paused to look at. On it I am wearing a circular knitted scarf/hat thing (commonly known as a snood). I really liked it and wore it and wore it that winter. Funny thing is, I haven't a clue as to where it is now. I know it is a strange process of thoughts, but that started me thinking about some of the possibilities of tubular knitting. Anything has got to be better than thinking about dusting!

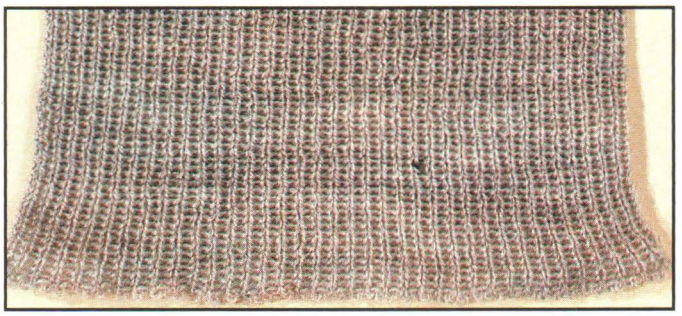
All Duomatic and E6000 knitters (and 'other' knitters with ribbers) use tubular knitting as a matter of course and we do not give it too much thought. We tend to think of it as a utility to be used when casting on or making a cord but there is more to the 'CX' setting than just those functions. If you always cast on with the computer of the E6000, you may not even realise that you are knitting in a circle because the console takes care of all the front bed settings for you and it is only for two rows after all.

'CX' is the tubular (or circular — same thing, different name) setting and in order to get tubular knitting, you must have needles in work on both beds and both locks must be set to CX. CX does not operate pushers so these are not required and for the same reason, the arrow keys have no effect. The E6000 is a slightly different case because you can make tubular knitting manually with CX as I am describing or you can use the computer, in which case the front lock would be set to LX. With the CX/CX setting, when the locks are moved from right to left, only the front bed needles knit. As the locks are returned from left to right, only the back bed needles knit. Effectively, you are knitting two rows of stocking stitch, one on each bed. If you carry on knitting in this way, instead of a flat piece of work, you end up with a tube. The 'hole' is in the gap between the beds and the only place that the front bed knitting is attached to the back bed knitting is at the sides.

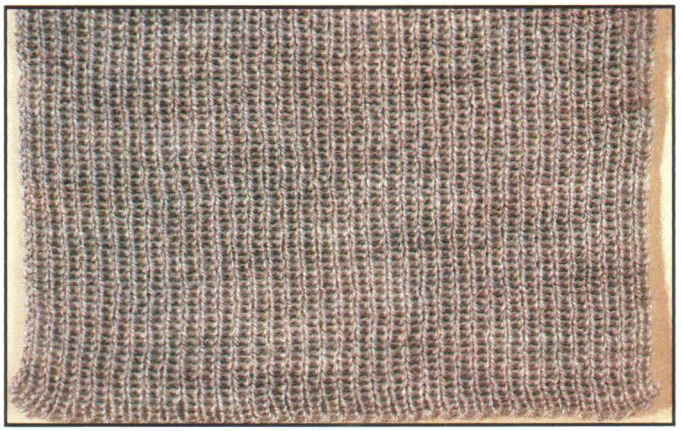
The function of the tubular rows when casting on for double bed work, is to provide a firm edge. To make a tubular cast on, knit one row with the locks set on N/N, change the settings to CX/CX and knit two rows and then repeat the N/N row. The first N/N row sets up a zig-zag of yarn between the beds. So that this zig-zag is as tight as possible to give a firm edge, a small stitch size is used. If the overall stitch size was to be 3½/3½, the first N/N row might go down as far as 2. There is no hard and fast rule about this. Whatever suits your purpose (and the machine can cope with) is the correct stitch size to use.

When working over both beds like this, not only is there yarn in each needle but also crossing the gap between the beds. Even on stitch size 2, the zig-zag is rather deep. The zig-zag can be 'flattened out' by pulling and the edge can be stretched. When knitting the CX rows, the yarn just goes from stitch to stitch on each bed, and given the small stitch size, there is not much of

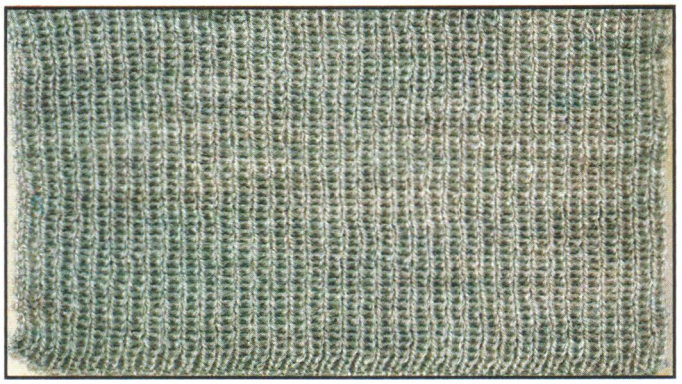
# Irene Krieger



Swatch A



Swatch B



Swatch C

Swatch D

it in each stitch. The effect of the CX rows is to limit the amount the edge can be stretched. Sometimes, the stitch size is raised a little for the CX rows, especially if the first row was made very tight but again there is no rule about this.

Technically, it is possible to just start knitting without any sort of cast on at all and the machine is quite happy to do this, but the edge is not very tidy and has a stretched appearance — see Swatch A. Its resting size is only 17 centimetres, but I could stretch the edge out to 45 centimetres — more than two and a half times the original width. Compare this with Swatch B which has been started with a traditional tubular cast on. As you can see the edge is still very slightly stretched but nothing that could not be eased in. This edge only stretched out to 25 centimetres. Incidentally, all the swatches in this section were made over the same number of needles, with the same yarn and with the same stitch sizes so that a proper comparison could be made. I have not treated the swatches in any way (steaming or

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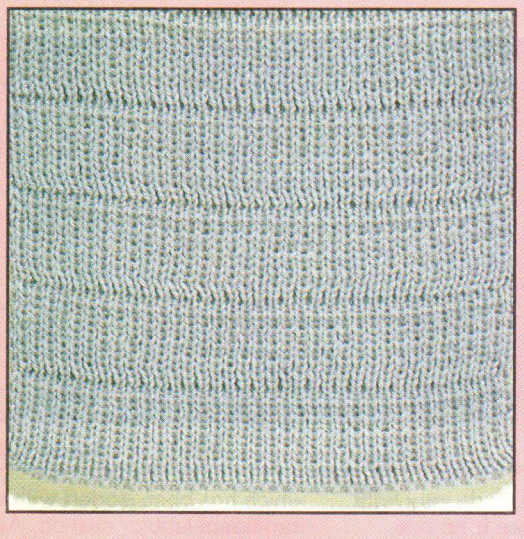
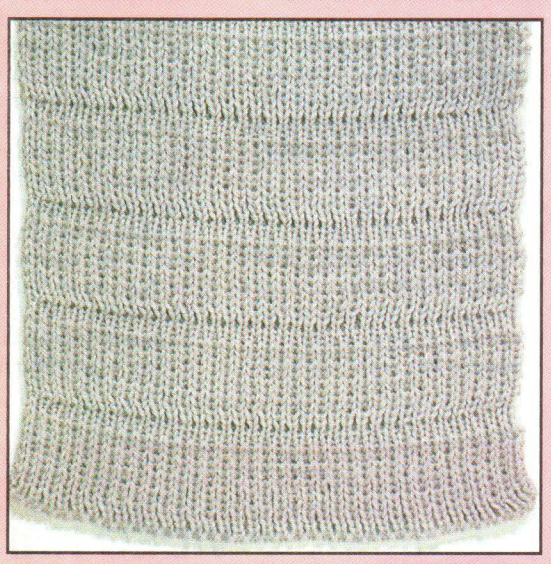
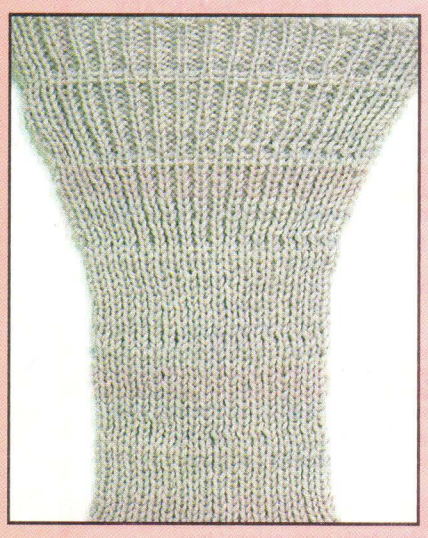
# Irene Krieger



Swatch E



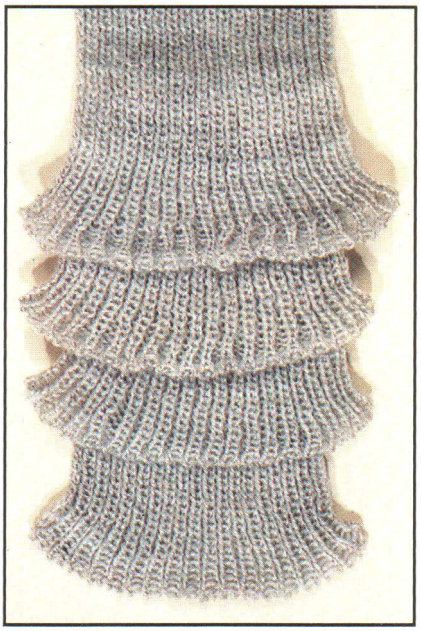
Swatch F



Swatch G

Swatch H

pressing) and they are as they came off my machine.
The four row tubular cast on is suitable for most purposes but there are times when an even firmer edge is required and just tightening up the cast on is not sufficient. An edge with less stretch is easily achieved by increasing the number of CX rows in the cast on. On the E6000, it is not possible to increase the number of CX rows if casting on with the computer. This type of cast on will have to be worked manually. Swatch C shows a cast on with four CX rows. This stretched to 20 centimetres. An edge with virtually no stretch was achieved by knitting six CX rows. Swatch D was made in this way and could only be stretched to 18 centimetres. You can see that with a knit/knit needle setting, the CX rows really do have a 'pulling in' effect.
Interestingly, when the same techniques are applied to a 1x1 rib setting, the effect is the complete reverse. Extra CX rows have a spreading out effect. To save space on the page, rather than mount each swatch separately, I have overlaid them — but if anything, I think this shows up the difference even be er — see 1x1 rib swatches. The top swatch is quite fluted compared to the lower one. Starting from the lower swatch up, they are exactly as for the knit/knit swatches, no cast on, 2 CX rows, 4 CX rows and 6 CX rows.
CX rows do not have to be confined to the cast on edges only. If they are introduced within a strip of knit/knit or 1x1 rib, they make an interesting ridge effect which will liven up an otherwise uninteresting expanse of fabric. For the following swatch, I have changed yarns simply because the first yarn is slightly marbled and does not show the stitch formation as well as the flat colour of the second. As in the first section, stitch sizes used etc, are all the same. Swatch E shows full needle rib made with ten rows of N/N followed by four rows of CX/CX whilst Swatch F has six rows of CX/CX. The latter swatch is narrower and the ridge effect is more pronounced.
Swatches G and H respectively have been made in the same way but over a 1x1 rib setting. Though somewhat reduced, Swatch G has not lost its elasticity as you can see from the upper part of the swatch so it would still be suitable for traditional ribbing uses such as cuffs and welts. The six CX rows on Swatch H open it out more and thereby increase the decorative effect but at the expense of some of the elasticity.



**1x1 rib Swatches**

Some of you are probably wondering what I did about the strippers when making these swatches. Technically, for double bed work such as the N/N rows, orange strippers are required but for single bed work (the CX rows) black strippers are needed. Two CX rows after an N/N row do not really cause any problems because the blade of the orange strippers is deep enough to press down on the zig-zag rows and strip the stitches off the needles. Having to change strippers midway would be a bit of a pain not to mention time-consuming so you will be pleased to read that I found that the orange strippers could cope with six CX rows quite well. With the thicker yarn, I took the precaution of pulling the work gently from underneath for the last two CX rows and all went well, but the machine did not like doing eight CX rows. Some of the stitches did not knit through properly and the lock grated a little. I think it would be advisable to change strippers if working more than six CX rows.
Next month, I will have some more practical things to do with CX and I will explain how I made my snood that started me off on the subject.
Until then,

Irene

# 10 Two's Company

## His 'n' Hers Shetland Sweater

ILLUSTRATED ON PAGE 37

***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***MACHINES WITHOUT RIBBER**: See page 113*
***YARN**: Jamieson & Smith 2 ply Jumper Weight Shetland*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used White 1 (MC), Silver 203 (A), Dark Grey 54 (B) and Charcoal 81 (C)*
***STOCKISTS**: To obtain this yarn, please write to Jamieson & Smith (Shetland Wool Brokers) Ltd, 90 North Road, Lerwick, Shetland ZE1 0PQ*

**SIZES**
To suit bust/chest 76[81:86:91:96:101:106:111]cm.
Finished measurement 92[96:99:103:107:110:115:119]cm.
Length 62.5[62.5:63.5:63.5:69:69:70:70]cm.
Sleeve seam 45.5[45.5:46.5:46.5:49.5:49.5:50.5:50.5]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Jamieson & Smith 2 ply Jumper Weight Shetland.
1 x 16oz cone in MC.
8 x 1oz hanks in A.
2 x 1oz hanks in B.
2 x 1oz hanks in C.

**GARMENT WEIGHS**
430g for size 86cm.
535g for size 106cm.

**MAIN TENSION**
Wash, dry and press tension swatch before measuring.
33 sts and 34 rows to 10cm measured over Fair Isle patt 1 (tension dial approx 9•=MT).

Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

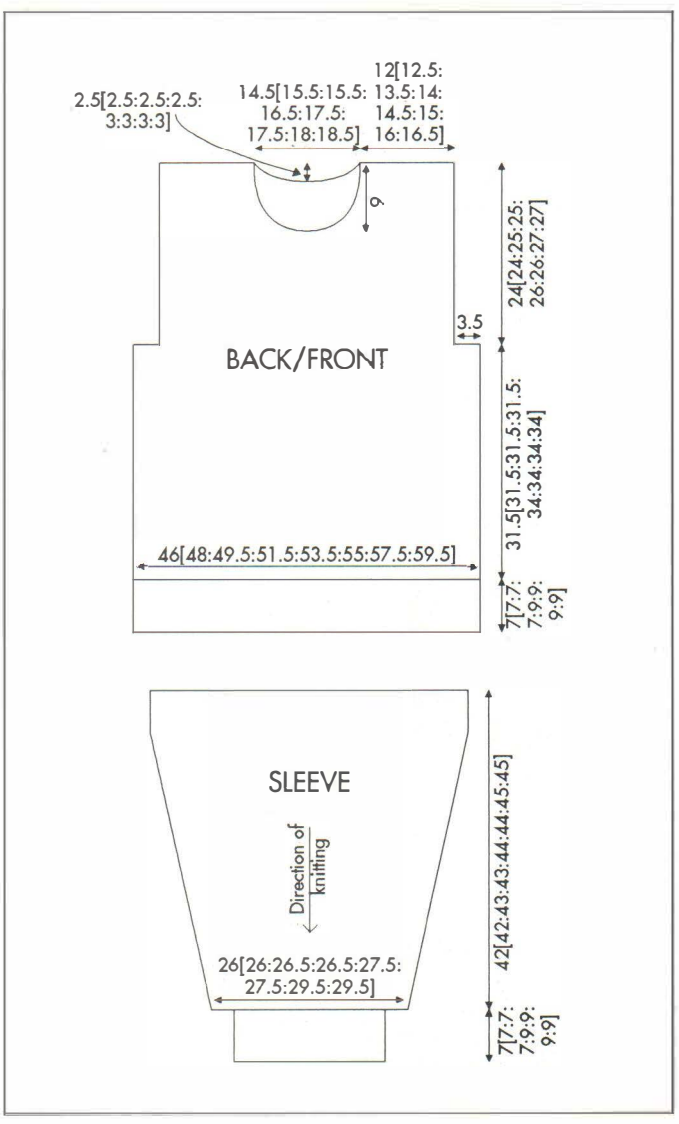
**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch cards for patts 1 and 2 before starting to knit.

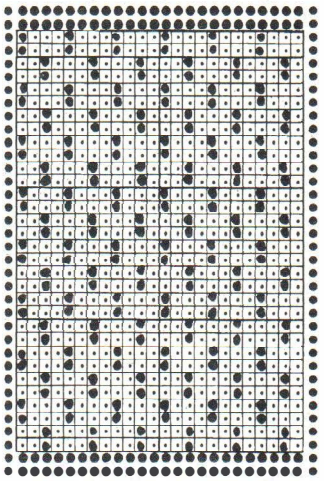
**COLOUR SEQUENCE**
**PATTERN ONE**
Use MC in feeder 1/A and A in feeder 2/B throughout.

**PATTERN TWO — BORDER**
MC+C, K4 rows.
A+C, K6 rows.
A only, K2 rows.
A+B, K40 rows.
A only, K2 rows.
A+C, K6 rows.
MC+C, K4 rows.
64 rows to patt.

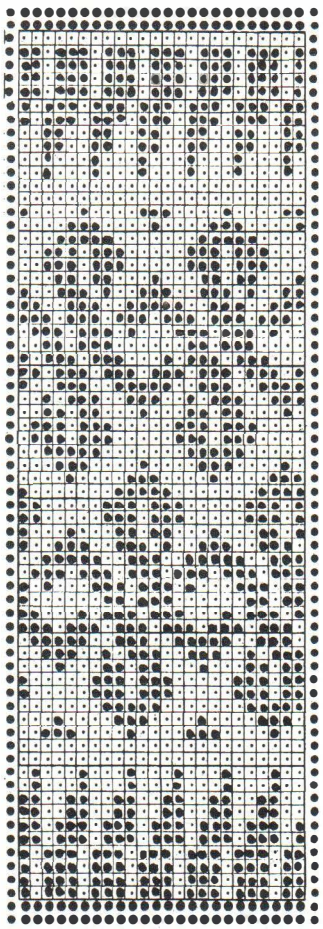
**PATTERN SEQUENCE**
**LADY'S VERSION**
**BACK AND FRONT**
* RC 000. K64 rows of patt 2.
Set machine for st st.
Using MC and MT-1, K1 row.
Insert punchcard for patt 1 and lock on first row.
Set machine for patt. K1 row to select.
Release punchcard. Set carriage for Fair Isle knitting. Using MT and foll colour sequence given, work in patt 1 *.
K until RC shows 194[194:196:196:208:208:212:212].




PUNCHCARD FOR PATTERN 1



PUNCHCARD FOR PATTERN 2



**SLEEVES**
Insert punchcard for patt 1 and lock on first row. Set machine for patt. Using MC and MT-1, K1 row to select.
Set RC at 000. Using MT, work in patt 1 throughout.

**MAN'S VERSION**
**BACK AND FRONT**
Work as given for lady's version back/front from * to *.
K until RC shows 128[128:130:130:142:142:146:146]. Set machine for st st. Using MC and MT-1, K1 row.
Insert punchcard for patt 2 and lock on first row. Set machine for patt. K1 row to select.
Release punchcard. Set carriage for Fair Isle knitting.
Using MT, work the 64 rows of patt 2. RC shows 194[194:196:196:208:208:212:212].

**SLEEVES**
Insert punchcard for patt 2 and lock on row 5. Set machine for patt. Using A and MT-1, K1 row to select.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting.
Using A+C and MT, K6 rows.
Set machine for st st. Using MC and MT-1, K1 row.
Insert punchcard for patt 1 and lock on first row. Set machine for patt. K1 row to select.
Release punchcard. Set carriage for Fair Isle knitting. Using MT, work in patt 1 to end.

**BACK**
With RB in position, set machine for 1x1 rib. Push 75[78:81:84:87:90:94:97] Ns at left and 76[79:82:85:88:91:95:98] Ns at right of centre '0' on MB to WP.
151[157:163:169:175:181:189:195] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAL.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-7/MT-7, K 36[36:36:36:40:40:40:40] rows.
Transfer sts to MB. Inc 1 st at left edge. 152[158:164:170:176:182:190:196] sts.
Insert punchcard for patt 2 and lock on first row. Set machine for patt. Using MC and MT-1, K1 row to select. CAR.
Set RC at 000. Release punchcard. Set carriage for Fair Isle knitting. Using MT, work in patt sequence given.
K until RC shows 108[108:108:108:116:116:116:116].

**SHAPE ARMHOLES**
Cast off 12 sts at beg of next 2 rows. 128[134:140:146:152:158:166:172] sts.
K until RC shows 186[186:188:188:198:198:202:202]. CAR.

**SHAPE NECK**
Make a note of position in patt. Using a separate length of yarn, cast off the centre 32[34:34:36:38:38:40:42] sts. Using nylon cord, K 48[50:53:55:57:60:63:65] sts at left by hand taking Ns down into NWP. Cont on rem 48[50:53: 55:57:60:63:65] sts at right for first side.
K1 row.
Cast off 2[3:3:3:3:3:3:3] sts at beg of next and every foll alt row, 4[1:1:1:2:2:2:2] times in all.
K 0[1:1:1:1:1:1:1] row.
Cast off 0[2:2:2:2:2:2:2] sts at beg of next and every foll alt row, 0[3:3:3:2:2:2:2] times in all. 40[41:44:46:47:50:53:55] sts.
K 0[0:0:0:2:2:2:2] rows. RC shows 194[194:196:196:208:208:212:212].
Using WY, K a few rows and release from machine.
Unravel nylon cord over sts at left.
Reset RC at 186[186:188:188:198:198:202:202]. Starting at correct position in patt, complete to correspond with first side, reversing shapings.

**FRONT**
Work as given for back until RC shows 164[164:166:166:178:178:182:182]. CAR.

**SHAPE NECK**
Make a note of position in patt. Using a separate length of yarn, cast off the centre 16[18:18:18:20:20:20:20] sts. Using nylon cord, K 56[58:61:64:66:69:73:76] sts at left by hand taking Ns down into NWP. Cont on rem 56[58:61:64:66:69:73:76] sts at right for first side.
K1 row.
Cast off 3 sts at beg of next and every foll alt row, 2[2:2:2:2:3:3] times in all. K1 row.
Cast off 2 sts at beg of next and every foll alt row, 1[2:2:3:4:4:3:4] times in all. K1 row.
Dec 1 st at beg of next and every foll alt row, 8[7:7:6:5:5:5:4] times in all.
40[41:44:46:47:50:53:55] sts.
K until RC shows 194[194:196:196:208:208:212:212].
Using WY, K a few rows and release from machine.
Unravel nylon cord over sts at left. Reset RC at 164[164:166:166:178:178:182:182]. Starting at correct position in patt, complete to correspond with first side, reversing shapings.

**JOIN RIGHT SHOULDER SEAM**
Push 40[41:44:46:47:50:53:55] Ns to WP. With right side facing, hang back right shoulder sts on to Ns.
Remove WY.
With wrong side facing, hang corresponding front shoulder sts on to Ns.
Remove WY.
Cast off the 2 sets of sts tog.

**NECKBAND**
With RB in position, set machine for 1x1 rib. Push 141[145:149:149:153:157:157:161] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-7/MT-7, K 32[32:34:34:36:36:38:38] rows.
Transfer sts to MB.
With wrong side facing, hang neck edge evenly on to Ns.
Using T10+, K1 row. Cast off loosely.

Join rem shoulder seam using the same method as before.
Join neckband seam. Fold neckband in half to inside and slip stitch in place.

**SLEEVES**
**(KNITTED DOWNARDS)**
Push 76[76:78:78:81:81:85:85] Ns at left and 77[77:79:79:82:82:86:86] Ns at right of centre '0' to WP.
153[153:157:157:163:163:171:171] Ns.
With wrong side facing and matching shoulder seam to centre st, hang one armhole edge evenly on to Ns. Foll patt sequence given, K until RC shows 10.
Dec 1 st at each end of next and every foll 4th row, 33[33:34:34:35:35:36:36] times in all.
K until RC shows 142[142:146:146:150:150:154:154]. Dec 1 st at each end. 85[85:87:87:91:91:97:97] sts.
Using WY, K a few rows and release from machine.

**CUFFS**
With RB in position, set machine for 1x1 rib. Push 65[65:67:67:71:71:75:75] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-7/MT-7, K 36[36:36:36:40:40:40:40] rows.
Transfer sts to MB. With wrong side facing, hang lower edge of sleeve on to Ns, dec 20[20:20:20:20:20:22:22] sts evenly as you go.
Using MT, K1 row. Cast off loosely.

**TO MAKE UP**
Join side of sleeves to cast off edge of armholes.
Join side and sleeve seams.
Wash garment using a fabric softener in last rinse. Spin. Pull to correct shape and size. Smooth flat on to a towel and leave to dry.
Steam press on wrong side.

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# 10 His 'n' Hers Shetland Sweater

For instructions see page 35

# RIB-AB

This month we are going to look at tucking using the ribber and a punchcard. I have always been interested in the honeycomb stitch and wondered what variations I could get from it. It uses the 1x1 card which comes with the basic set and a full needle rib set up. Sample 1 shows what it looks like knitted on the normal setting and then what happens when the double length setting is used. The double length version is much more pronounced.

What would happen if some needles were out of work on the main bed? Sample 2 shows every other needle out of work. This changes the nature of the fabric completely, the honeycomb has vanished to be replaced by a waffle effect.

Sample 3 shows what happens if different needles are left out of work. In this case every fourth needle was out of work on the main bed. This gives a slightly raised effect with the honeycomb running through it. This was with the end needle selection cams not working and I thought it was an interesting variation.

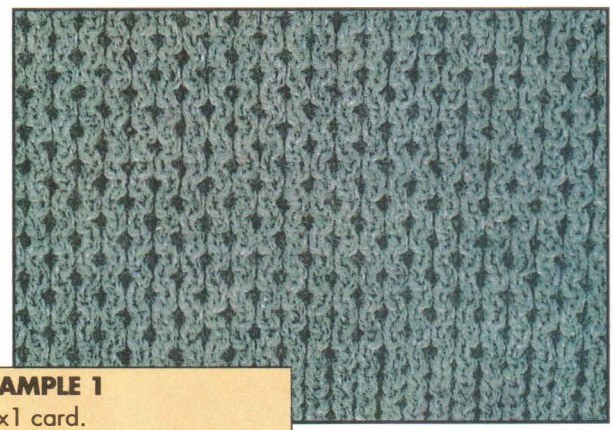
Sample 4 shows the same set up with the end needle selection set to work. I wondered what the result would be if the needles were out of work on the ribber. Sample 5 again shows the same basic card on the double length setting, but with four needles in and two needles out of work on the ribber. A much more interesting texture. This would make an unusual lightweight top knitted on the standard gauge machine in a fine yarn or on equally interesting jacket knitted on the chunky in an Aran weight yarn — very versatile!

I wondered about using different cards, so I used the basic design from my *MKN* November '93 article and adapted it for tuck stitch. This gave me a plain fabric with a design picked out in tuck stitch — Sample 6. You could go through all your tuck cards and try them out on the full needle rib setting. They might turn out to be quite interesting, especially with selected needles left out of work.

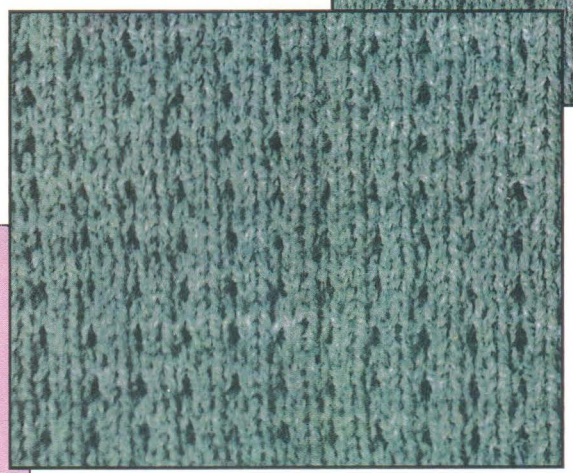
Sample 7 shows what happens when you change the number of rows the tuck design is worked over. In some places it tucks over two rows and in others it tucks over four rows. This changes the size of the honeycomb and adds more interest to the design. I did try tucking over more rows but I found that eight rows was too much even with the fine knit bar in. When I was playing around with samples it became clear that you could also tuck with two or more needles next to each other, something you would never contemplate on the single bed. Again more possibilities!

Having worked through these basic samples I can see that there are even more variations than I originally thought so I am off to try some more.

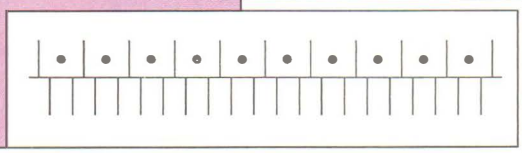
Till next month,

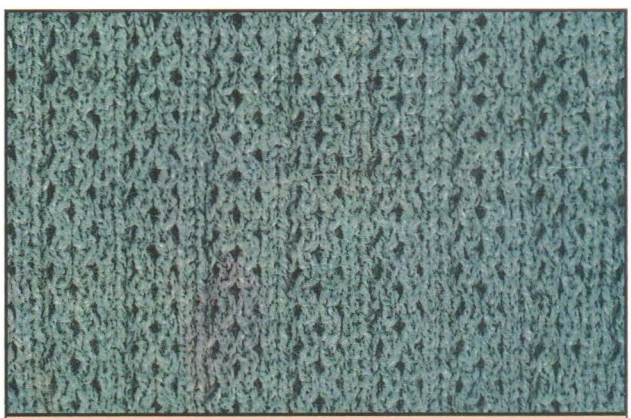


**SAMPLE 1**
1x1 card.
Full needle rib set up.
Main bed set to tuck.
Ribber set to knit.
TD4/4.
Now try the double length setting.

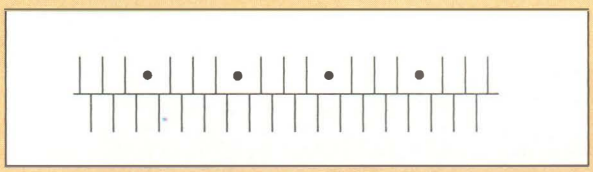


**SAMPLE 2**
Set up as for Sample 1, using the double length setting. Transfer every other stitch from the main bed to the ribber and return the empty needles to non working position. Cancel the end needle selection cams.
TD4/4





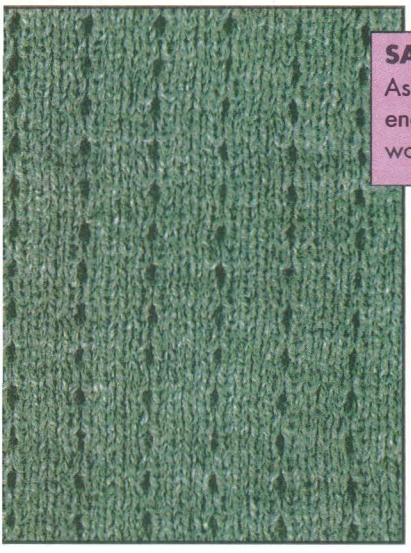
**SAMPLE 3**
Set up as for Sample 1, using the double length setting. Transfer every 4th stitch from the main bed to the ribber and return the empty needles to non working position. Cancel the end needle selection cams. TD4/4



All these samples were knitted with a 3 ply acrylic and using the fine knit bar. To set the pattern, cast on and knit circular rows. Arrange the needles for the pattern and knit one row to select the needles. Set the carriages to the correct settings and knit. Punchcard machines use the cards as shown. Electronic machines copy the mylar sheet and use the reverse switch.

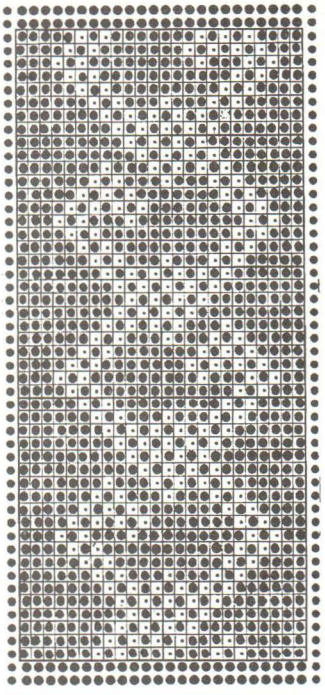
# BILITY

*Jenny explores the versatility of tuck stitch patterning*

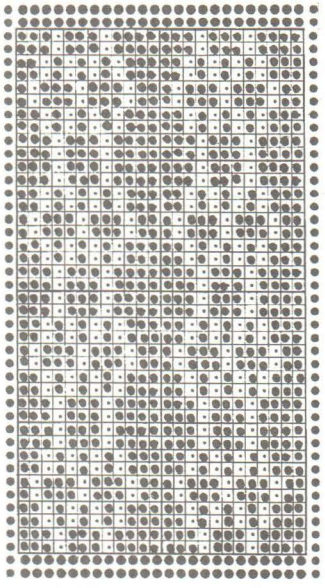


**SAMPLE 4**
As for Sample 3 but leaving the end needle selection cams working.

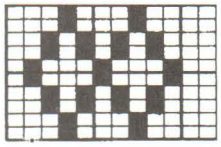
PUNCHCARD B



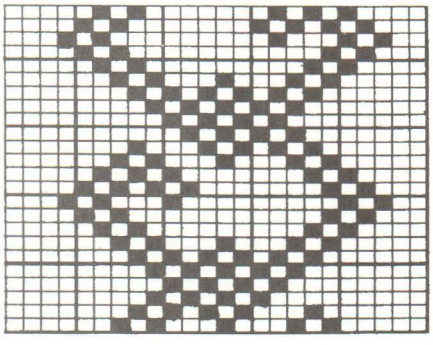
PUNCHCARD A



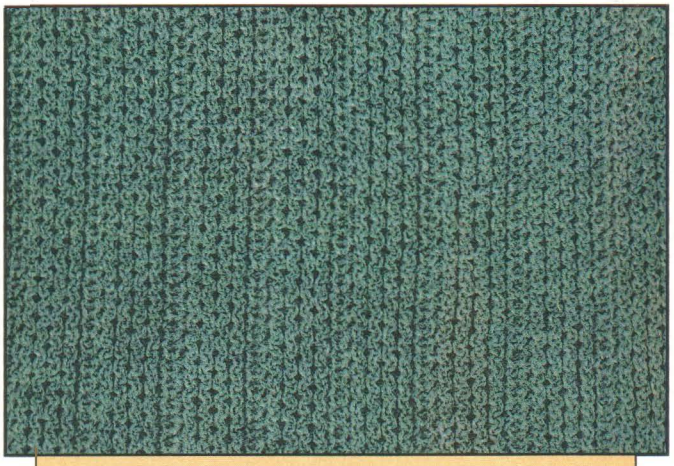
PATTERN A



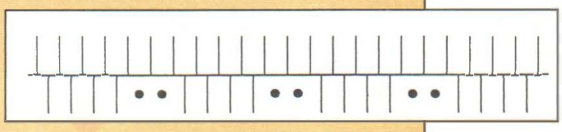
PATTERN B

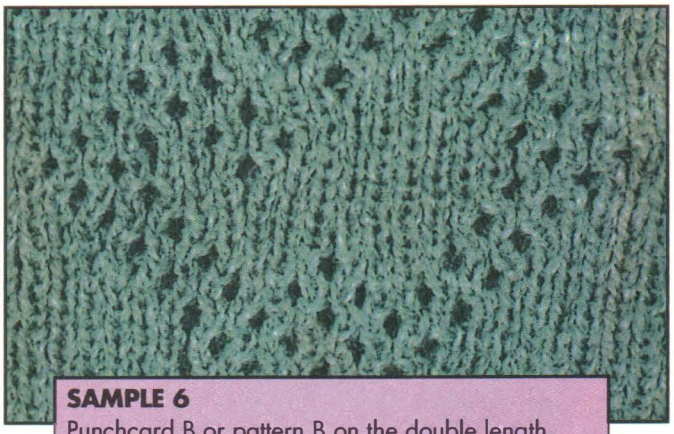


**SAMPLE 7**
As for Sample 6 using punchcard A or pattern A and the single length setting.

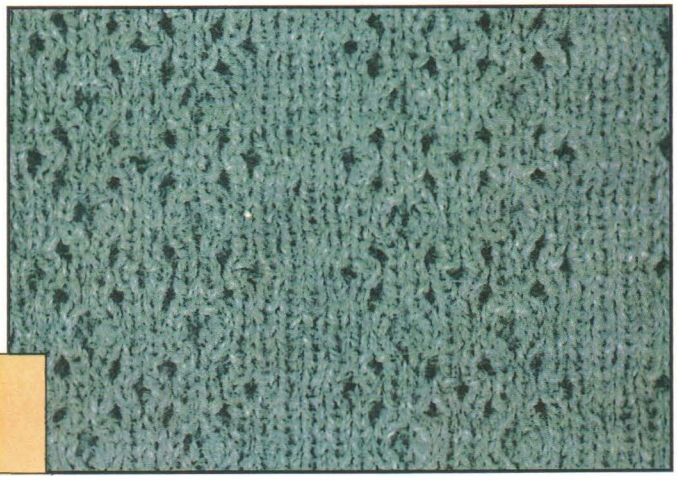


**SAMPLE 5**
Set up as for Sample 1, using the double length setting.
Transfer every 5th and 6th stitch from the ribber to the main bed and return the empty needles to non working position.
TD4/4





**SAMPLE 6**
Punchcard B or pattern B on the double length setting.
Full needle rib set up.
Main bed set to tuck.
Ribber bed set to knit.
TD4/4

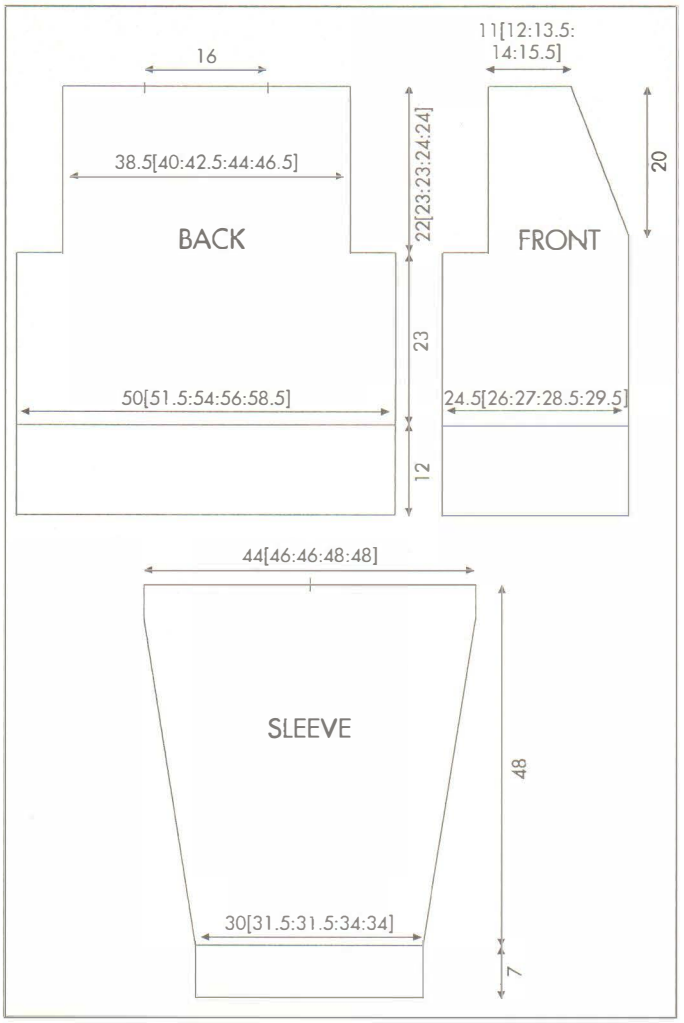


# RIBBER WORKSHOP

# 11

## Lady's Tuck Rib Cardigan

***MACHINES**: These instructions are written for standard gauge punchcard or electronic machines with ribber*
***YARN**: Bramwell Duo Magic*
***FIBRE CONTENT**: 100% Acrylic*
***COLOUR**: We used Grey (MY)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to F. W. Bramwell & Co Ltd, Unit 4, Lane Side, Metcalf Lane, Altham, Accrington, Lancs BB5 5TU*




**SIZES**
To suit bust 86[91:96:101:106]cm.
Finished measurement 100[103:108:112:117]cm.
Length 57[58:58:59:59]cm.
Sleeve seam 49cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Bramwell Duo Magic.
1 x 500g cone in MY.
14[15:15:16:16] buttons.

**GARMENT WEIGHS**
305g for size 91cm.

**MAIN TENSION**
24 sts and 48 rows to 10cm measured over tuck rib patt (tension dial approx 4-MB/3-RB = MT/MT-1).
Tension must be matched exactly before starting garment.

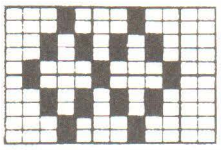
**ABBREVIATIONS**
See page 113.

**NOTE**
All st counts refer to MB only. Inc, dec, cast on or off corresponding RB sts as required.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card before starting to knit.

**ELECTRONIC PATTERN**
Fill in mylar sheet and use negative switch to reverse the selection.

ELECTRONIC PATTERN



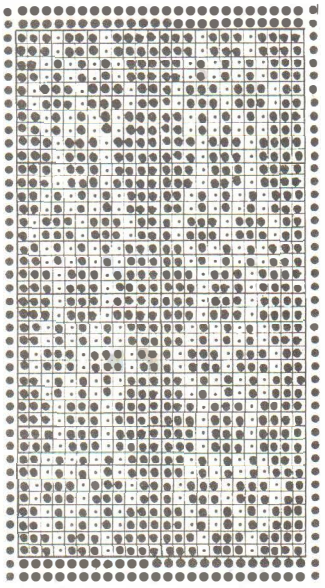
12 sts x 10 rows

**PATTERN NOTE**
Set main bed carriage to tuck in both directions.
Set ribber carriage to knit.

**BACK**
With RB in position, set machine for 2x1 rib. Pitch lever at H. Racking indicator at 5. Push 60[62:65:67:70] Ns at left and 59[63:66:67:70] Ns at right of centre '0' on MB to WP. 118[125:131:134:140] Ns.
* Push corresponding Ns on RB to WP. Arrange Ns for 2x1 rib as shown in Diagram 1.
Racking indicator to 4. Bring 1 extra N at left on RB to WP. Slide lever II. CAR.
Using MY, cast on and K3 tubular rows. Racking indicator to 5. Dec the extra st at left on RB.
Set RC at 000. Using MT-2/MT-2, K70 rows.
Bring intermediate Ns on both beds to WP for FNR setting *.
Inc 1[0:0:0:0] st at each end.
Dec 0[1:1:0:0] st.
120[124:130:134:140] sts.
K2 tubular rows.
Set carriages for FNR. Slide lever I. Insert punchcard and lock on first row or insert mylar sheet and program machine for patt. K1 row to select.
Set RC at 000. Release punchcard.
Using MT/MT-1 and setting carriages as required, work in patt.
K110 rows.

**SHAPE ARMHOLES**
Cast off 14 sts at beg of next 2 rows. 92[96:102:106:112] sts.

PUNCHCARD PATTERN



K until RC shows 216[220:220:226:226].
Mark the 19th st at left and right of centre '0' on MB for neck width. Cast off loosely.

**LEFT FRONT**
With RB in position, set machine for 2x1 rib. Pitch lever at H. Racking indicator at 5. Push 59[62:65:68:71] Ns at right of centre '0' on MB to WP.
Work as given for back from * to *.
Inc 1[0:0:0:0] st. Dec 0[0:0:1:1] st. 60[62:65:67:70] sts.
K2 tubular rows.
Set carriages for FNR. Slide lever I. Insert punchcard and lock on first row or insert mylar sheet and program machine for patt. K1 row to select.
Set RC at 000. Release punchcard. Using MT/MT-1 and setting carriages as required, work in patt. K110 rows. CAR.

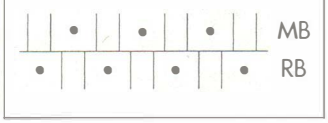
**SHAPE ARMHOLE**
Cast off 14 sts at beg of next row. 46[48:51:53:56] sts.
K until RC shows 120[124:124:130:130].

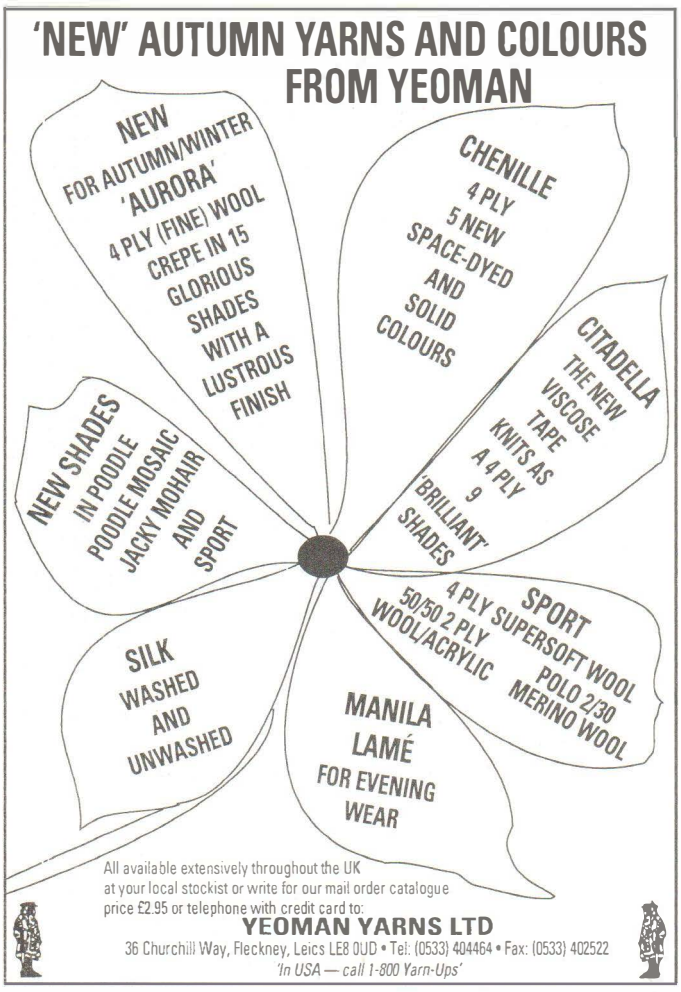
**SHAPE NECK**
Place a marker at left edge. Dec 1 st at left edge on next and every foll 5th row, 19 times in all. 27[29:32:34:37] sts.
K until RC shows 216[220:220:226:226]. Cast off loosely.

**RIGHT FRONT**
Work as given for left front, reversing needle settings and shapings.

**SLEEVES**
With RB in position, set machine

DIAGRAM 1

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for 2x1 rib. Pitch lever at H. Racking indicator at 5. Push 36[38:38:41:41] Ns at left and 35[39:39:42:42] Ns at right of centre '0' on MB to WP. 71[77:77:83:83] Ns.
Work as given for back from * to *, but knitting only 40 rows rib before bringing intermediate Ns on both beds to WP for FNR setting.
Inc 1[0:0:0:0] st.
Dec 0[1:1:1:1] st.
72[76:76:82:82] sts.
K2 tubular rows.
Set carriages for FNR. Slide lever I. Insert punchcard and lock on first row or insert mylar sheet and program machine for patt. K1 row to select.
Set RC at 000. Release punchcard. Using MT/MT-1 and setting carriages as required, work in patt. K10 rows.
Shape sides by inc 1 st at each end of next and every foll 11th row, 17 times in all.
106[110:110:116:116] sts.
K until RC shows 230. Mark the centre st and cast off loosely.

**BUTTONHOLE BAND**
Join shoulder seams.
With RB in position, set machine for FNR. Push 79[85:85:91:91] Ns at left and 90 Ns at right of centre '0' to WP.
169[175:175:181:181] Ns.
Push corresponding Ns on RB to WP. Using MY and MT-2/MT-2, cast on and K2 tubular rows.
Set MB carriage to hold. Counting from the left on MB push the 4th and then every foll 6th N to HP. K4 rows.
Cancel hold. K1 row. Counting from the left on MB, make a buttonhole over the 7th and then on every foll 6th st, 14[15:15:16:16] times in all.
K5 rows.
Transfer sts to MB. K1 row.
With wrong side facing, hang right front edge and half back neck evenly on to Ns. The marker at start of front neck shaping should be placed at N10 at right of centre '0'.
K1 row. Cast off.

**BUTTON BAND**
Work as given for buttonhole band, omitting buttonholes and attaching to rem front and half back neck.

**TO MAKE UP**
Sew in sleeves matching centre marker to shoulder seam.
Sew side of sleeves to cast off edges of armholes.
Join side and sleeve seams.
Join centre back band seam.
Sew on buttons.


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MACHINE KNITTING NEWS

# 12 Clerical Grey

## Unisex Crew Neck Sweater

ILLUSTRATED ON PAGE 45

***MACHINES**: These instructions are written for standard gauge electronic machines with 200 st patt facility and ribber. We used a Brother 950i with PPD and ribber*

***MACHINES WITHOUT RIBBER**: See page 113*

***YARN**: Jamieson & Smith 2 ply Jumper Weight Shetland*

***FIBRE CONTENT**: 100% Wool*

***COLOUR**: We used Grey 27 (MC) and White 1 (C)*

***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to Jamieson & Smith (Shetland Wool Brokers) Ltd, 90 North Road, Lerwick, Shetland ZE1 0PQ*

**SIZES**
To suit bust/chest 86[91:96:101:106:111]cm.
Finished measurement 100[104:108:112:116:120]cm.
Length 67[67:70.5:70.5:71.5:71.5]cm.
Sleeve seam 42.5[42.5:44:44:45:45]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Jamieson & Smith 2 ply Jumper Weight Shetland.
1 x 16oz cone in MC.
1 x 16oz cone in C.

**GARMENT WEIGHS**
497g for size 111cm.

**MAIN TENSIONS**
Wash, dry and press tension swatches before measuring.
32.5 sts and 33 rows to 10cm measured over Fair Isle patt (tension dial approx 9•=MT).
29 sts and 39 rows to 10cm measured over st st (tension dial approx 8•=MT-1).
Tensions must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PATTERN NOTE**
Variations in body measurements are worked by adding or subtracting small diamond in centre panel of patt, plus the addition of plain sts at extreme edges of piece.
Program machine using the section of patt indicated for each size and mirroring using the st shown on chart as the centre st.

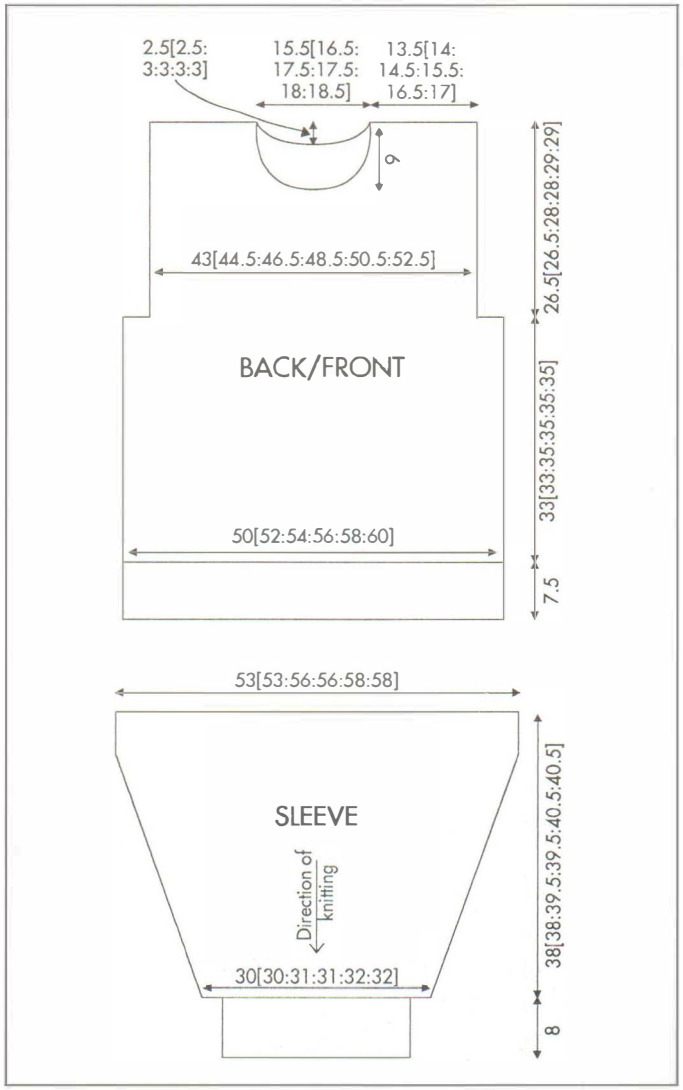
**BACK**
With RB in position, set machine for 1x1 rib. Push 81[84:87:90:94:97] Ns at left and 82[85:88:91:95:98] Ns at right of centre '0' on MB to WP. 163[169:175:181:189:195] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. CAL.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-7/MT-7, K38 rows.
Transfer sts to MB. Program machine for patt. Using MT, K1 row to select first row.
Set RC at 000. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and C in feeder 2/B, work in patt. K until RC shows 108[108:116:116:116:116].

**SHAPE ARMHOLES**
Cast off 12 sts at beg of next 2 rows. 139[145:151:157:165:171] sts.
K until RC shows 188[188:198:198:202:202]. CAR.

**SHAPE NECK**
Make a note of position in patt. Using a separate length of MC, cast off the centre 33[35:37:37:39:41] sts. Using nylon cord, K 53[55:57:60:63:65] sts at left by hand taking Ns down into NWP. Cont on rem 53[55:57:60:63:65] sts at right for first side. K1 row.
Cast off 3 sts at beg of next and every foll alt row, 1[1:2:2:2:2] times in all. K1 row.
Cast off 2 sts at beg of next and every foll alt row, 3[3:2:2:2:2] times in all. 44[46:47:50:53:55] sts.
K 0[0:2:2:2:2] rows. RC shows 196[196:208:208:212:212].
Using WY, K a few rows and release from machine.
Unravel nylon cord over sts at left. Reset RC at 188[188:198:198:202:202]. Starting at correct position in patt, complete to correspond with first side, reversing shapings.

**FRONT**
Work as given for back until RC shows 166[166:178:178:182:182]. CAR.

**SHAPE NECK**
Make a note of position in patt. Using a separate length of MC, cast off the centre 17[17:19:19:19:19] sts. Using nylon cord, K 61[64:66:69:73:76] sts at left by hand taking Ns down into NWP. Cont on rem 61[64:66:69:73:76] sts at right for first side.
K1 row.
Cast off 3 sts at beg of next and every foll alt row, 2[2:2:2:3:3] times in all. K1 row.
Cast off 2 sts at beg of next and every foll alt row, 2[3:4:4:3:4] times in all. K1 row.
Dec 1 st at beg of next and every foll alt row, 7[6:5:5:5:4] times in all. 44[46:47:50:53:55] sts.
K until RC shows 196[196:208:208:212:212].
Using WY, K a few rows and release from machine.
Unravel nylon cord over sts at left. Reset RC at 166[166:178:



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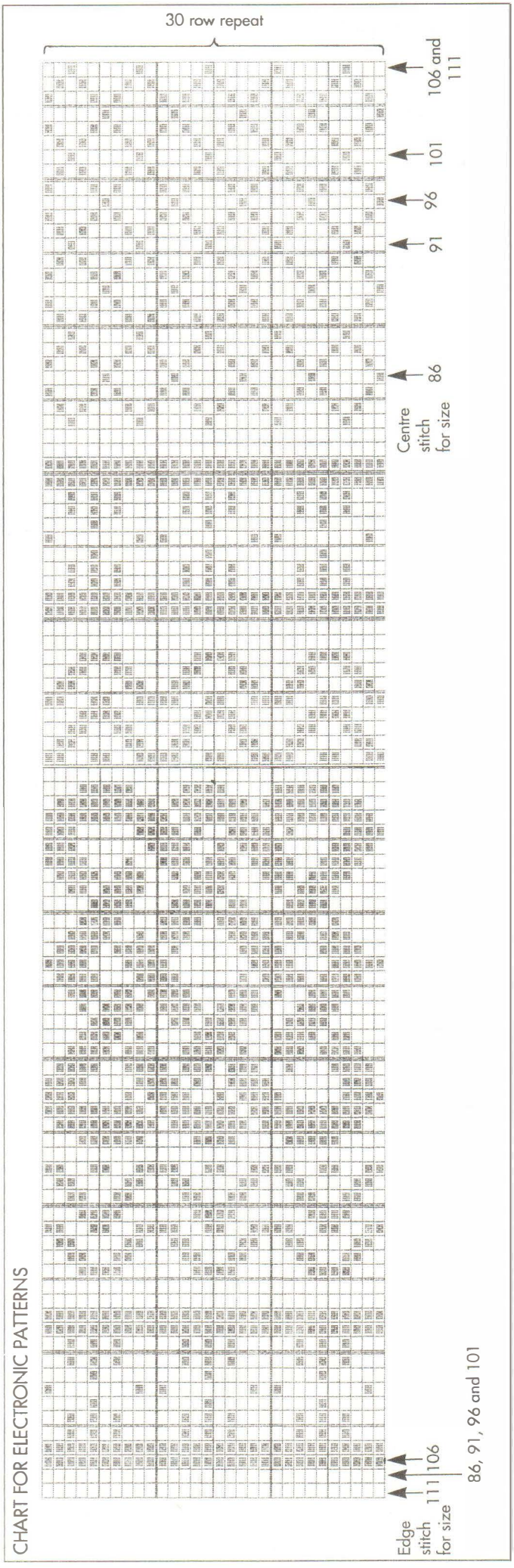


# 12 Unisex Crew Neck Sweater

For instructions see page 43

178:182:182]. Starting at correct position in patt, complete to correspond with first side, reversing shapings.

**NECKBAND**

Either graft right shoulder seam tog or join on the machine.
With RB in position, set machine for 1x1 rib. Push 149[149:153:157:157:161] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MC and MT-7/MT-7, K36 rows.
Transfer sts to MB. Pick up loops from cast on edge and hang on to corresponding Ns. Using MT, K1 row. Using WY, K a few rows and release from machine. Leave Ns in WP.
With right side facing, hang neck edge evenly on to Ns.
With wrong side facing, hang last row of neckband on to Ns. Remove WY. Using MC and T10+, K1 row. Cast off loosely.
Join rem shoulder seam using the same method as before.
Join neckband seam.

**SLEEVES (KNITTED DOWNWARDS)**

Push 153[153:159:159:167:167] Ns to WP. With wrong side facing and matching shoulder seam to centre N, hang one armhole edge evenly on to Ns.
Set RC at 000. Using MC and

MT-1, K12 rows.
Dec 2 sts, fully fashioned method, at each end of next and every foll 9th row, 16[16:17:17:18:18] times in all.
89[89:91:91:95:95] sts.
K until RC shows 140[140:148:148:156:156].
Dec 1 st at each end. K until RC shows 148[148:154:154:158:158]. Using WY, K a few rows and release from machine.

**CUFFS**
With RB in position, set machine for 1x1 rib. Push 67[67:71:71:75:75] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 1x1 rib. Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-7/MT-7, K40 rows. Transfer sts to MB.
With wrong side facing, hang lower edge of sleeve on to Ns, dec 20[20:18:18:18:18] sts evenly as you go. Using MT, K1 row. Cast off loosely.

**TO MAKE UP**
Join side of sleeves to cast off edges of armholes.
Join side and sleeve seams.
Wash garment. Rinse well, using a fabric softener in last rinse.
Block out to correct shape and size. Leave to dry.
Steam press on wrong side.

# 13

## Lady's Cabled Polo Neck Sweater

***MACHINES**: These instructions are written for standard gauge punchcard machines with ribber*
***YARN**: Brockwell 4 ply Lambswool*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Charcoal 303 (MC), Cream 319 (A) and Aqua 331 (B)*
***STOCKISTS**: To obtain this yarn, please write to Brockwell Yarns, S & J Andrews (WY) Ltd, Stansfield Mill, Triangle, Sowerby Bridge, W. Yorks HX6 3LZ*

**SIZES**
To suit bust 86[91:96:101:106]cm.
Finished measurement 105[110:115:120:125]cm.
Length 70[70:71:71:72]cm.
Sleeve seam 48[48:48.5:48.5:49]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Brockwell 4 ply Lambswool,
500[500:500:550:550]g in MC.
50g in A.
50g in B.

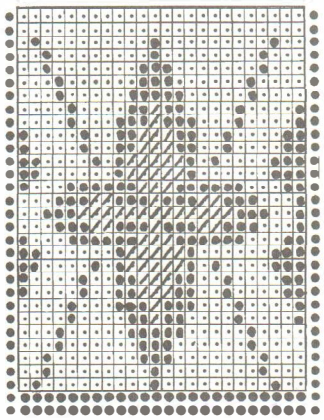
**GARMENT WEIGHS**
452g for size 91cm.

**MAIN TENSION**
Wash, dry and lightly press tension swatch before measuring.
32 sts and 41 rows to 10cm measured over embossed cable patt (tension dials approx 7/7).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

**PUNCHCARD PATTERN**
Punch card before starting to knit.



/ = Swiss darn this stitch using B

**EMBOSSED CABLE PATTERN**
Arrange sts as shown in Diagram 1.
Foll chart move MB and RB sts as required.
Move RB sts in opposite direction to MB sts.
Cross MB cable sts where indicated.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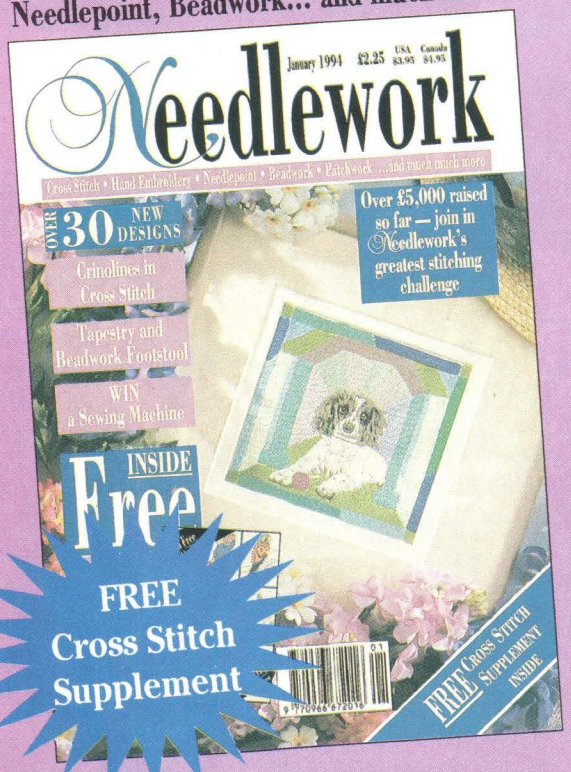
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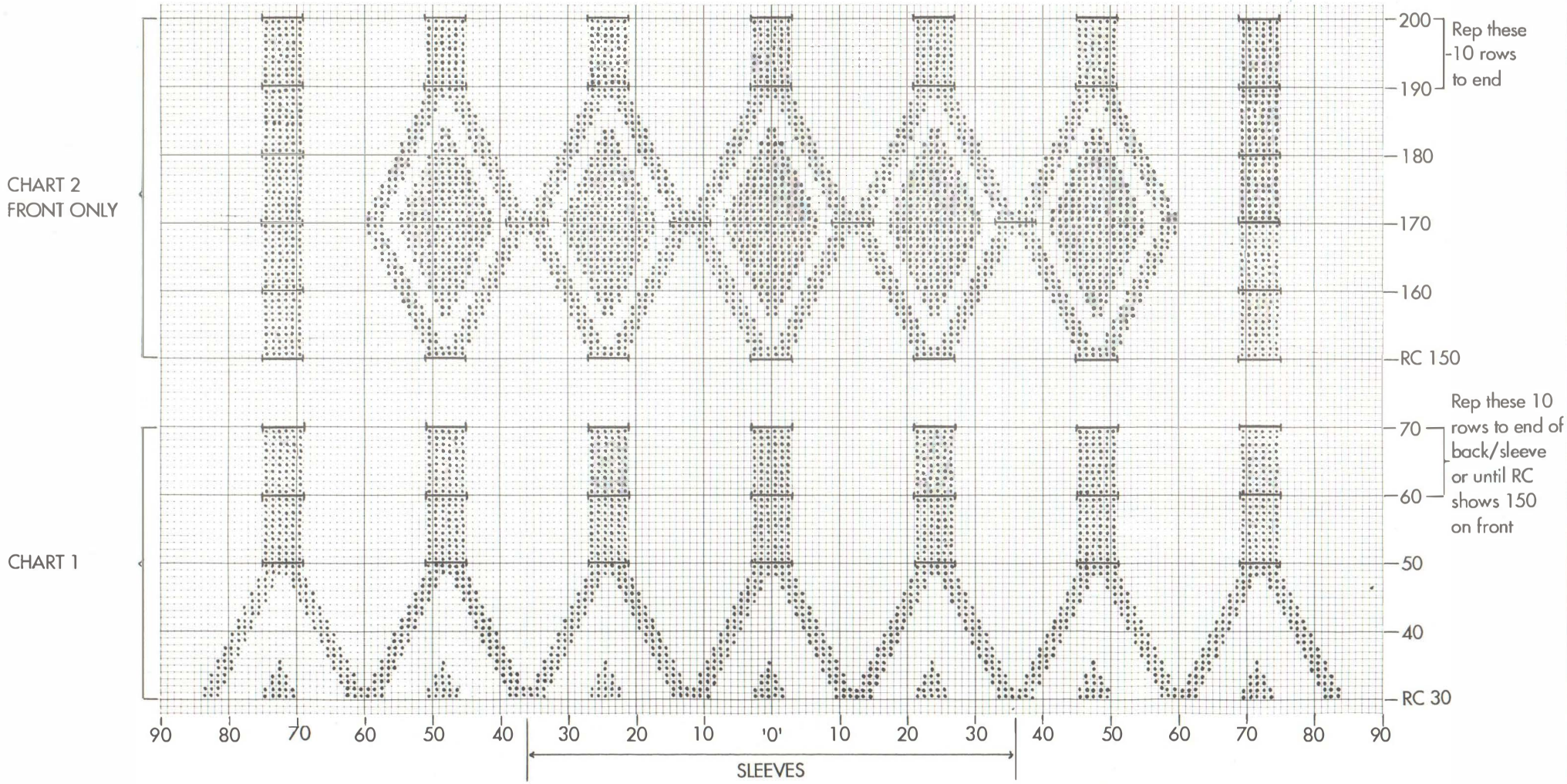
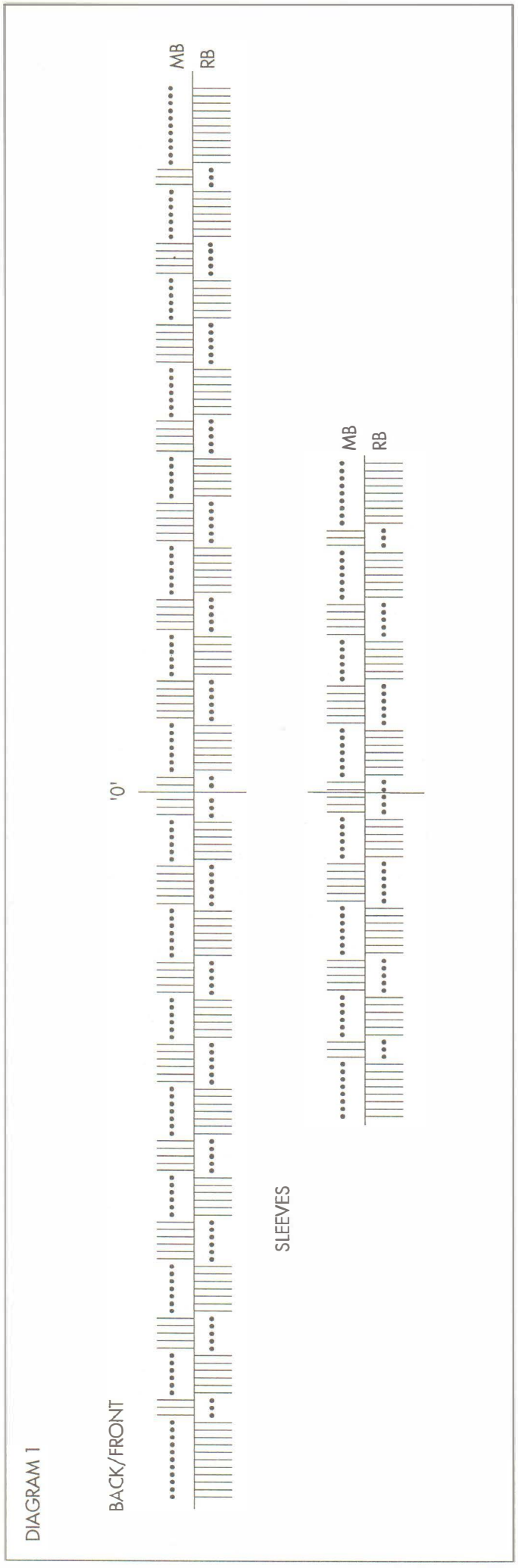
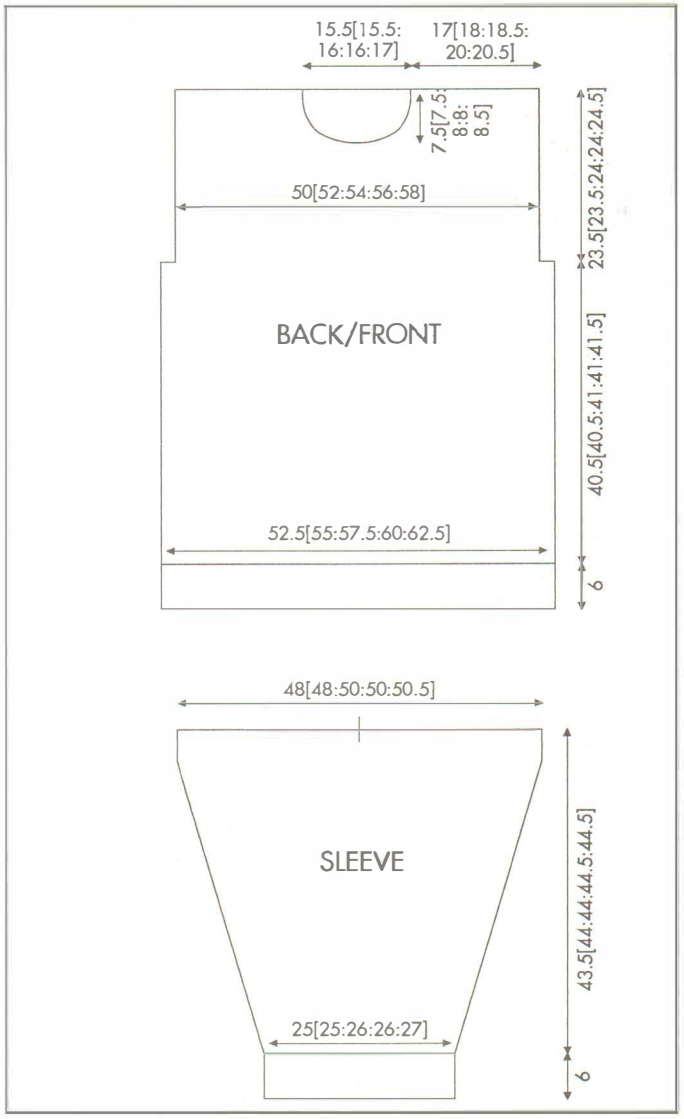



KEY

1 square = 1 st and 1 row □ = st on RB ⊡ = st on MB ⊢⊣ = cable these 6 sts




**BACK**
With RB in position, set machine for 2x2 rib. Push 84[88:92:96:100] Ns at left and right of centre '0' on MB to WP. 168[176:184:192:200] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 2x2 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-4/MT-4, K30 rows. Transfer sts to MB.
Set RC at 000. Using MT+1, K1 row.
Insert punchcard and lock on first row. Set machine for patt. K1 row to select.
Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and A in feeder 2/B, K27 rows. RC shows 29.
Set machine for st st. Using MC, K1 row.
Bring RB into WP and arrange sts for first row of embossed cable patt as shown in Diagram 1. Using MT/MT and foll Chart 1, work in patt.
K until RC shows 166[166:168:168:170].

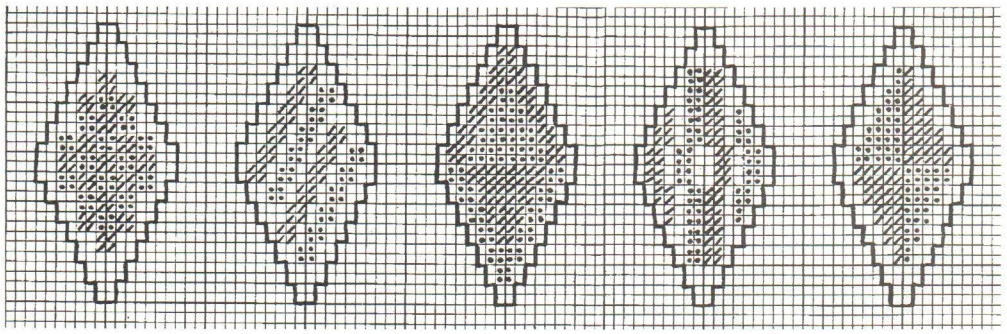
**SHAPE ARMHOLES**
Cast off 4[5:6:6:7] sts at beg of next 2 rows.
160[166:172:180:186] sts.
K until RC shows 262[262:266:266:270].
Cast off 55[58:60:64:66] sts at beg of next 2 rows.
Using WY, K a few rows over rem 50[50:52:52:54] sts and release from machine.

**FRONT**
Work as given for back until RC shows 150.
Foll Chart 2, cont in patt. K until RC shows 166[166:168:168:170]. CAR.

**SHAPE ARMHOLES**
Cast off 4[5:6:6:7] sts at beg of next 2 rows.
160[166:172:180:186] sts.
K until RC shows 232[232:234:234:236]. CAR

**SHAPE NECK**
Make a note of position in patt. Set both carriages to hold. Push 90[93:96:100:103] Ns at left to HP. Cont on rem 70[73:76:80:83] sts at right for first side. K1 row.
Dec 1 st at neck edge on every row, 15[15:16:16:17] times.
55[58:60:64:66] sts.
K until RC shows 262[262:266:266:270]. Cast off.
Return 20 Ns at right (centre neck) to WP.
Using WY, K a few rows and release from machine.

CHART 3 — Swiss darning chart for front diamonds



□ = 1 st and 1 row
• = Swiss darn using A
/ = Swiss darn using B

Cancel hold. Reset RC at 232[232:234:234:236].
Keeping patt sequence correct, complete to correspond with first side, reversing shapings.

**SLEEVES**

With RB in position, set machine for 2x2 rib. Push 39[39:41:41:42] Ns at left and right of centre '0' on MB to WP.
78[78:82:82:84] Ns. Push corresponding Ns on RB to WP. Arrange Ns for 2x2 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-4/MT-4, K30 rows. Transfer sts to MB.
Inc 1 st at each end. 80[80:84:84:86] sts. Set RC at 000. Using MT+1, K1 row.
Insert punchcard and lock on first row. Set machine for patt. K1 row to select.
Release punchcard. Set carriage for Fair Isle knitting. Using MC in feeder 1/A and A in feeder 2/B, work in patt.
Inc 2 sts at each end of every foll 9th row, 3 times. 92[92:96:96:98] sts. RC shows 29.
Set machine for st st. Using MC, K1 row.
Bring RB into WP and arrange sts for first row of embossed cable patt as shown in Diagram 1 . Using MT/MT, and foll Chart 1, work in patt.
K until RC shows 36.
* Inc 1 st at each end, fully fashioned method, K1 row, twice. K7 rows *.
Rep from * to *, 15 times more. 156[156:160:160:162] sts.
K until RC shows 180[180:181:182:183].
Cast off loosely.

**POLO NECKBAND**

Join right shoulder seam.
With RB in position, set machine for 2x2 rib. Push 136[136:140:140:146] Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 2x2 rib.
Using MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-4/MT-4, K76 rows. Transfer sts to MB.
With wrong side facing, hang back neck sts over 50[50:52:52:54] Ns, side neck over 33[33:34:34:36] Ns, centre front neck over 20 Ns and rem side neck over 33[33:34:34:36] Ns.
Cast off loosely.

**TO MAKE UP**

Using A and B, Swiss darn the 5 diamond areas on front foll Chart 3 and Swiss darn Fair Isle border as indicated on punchcard.
Wash and dry pieces. With wrong side facing, block out to correct measurements and lightly press.
Join rem shoulder and neckband seam. Reverse neckband seam half way for fold over to right side. Sew in sleeves.
Join side and sleeve seams.
Give a final press.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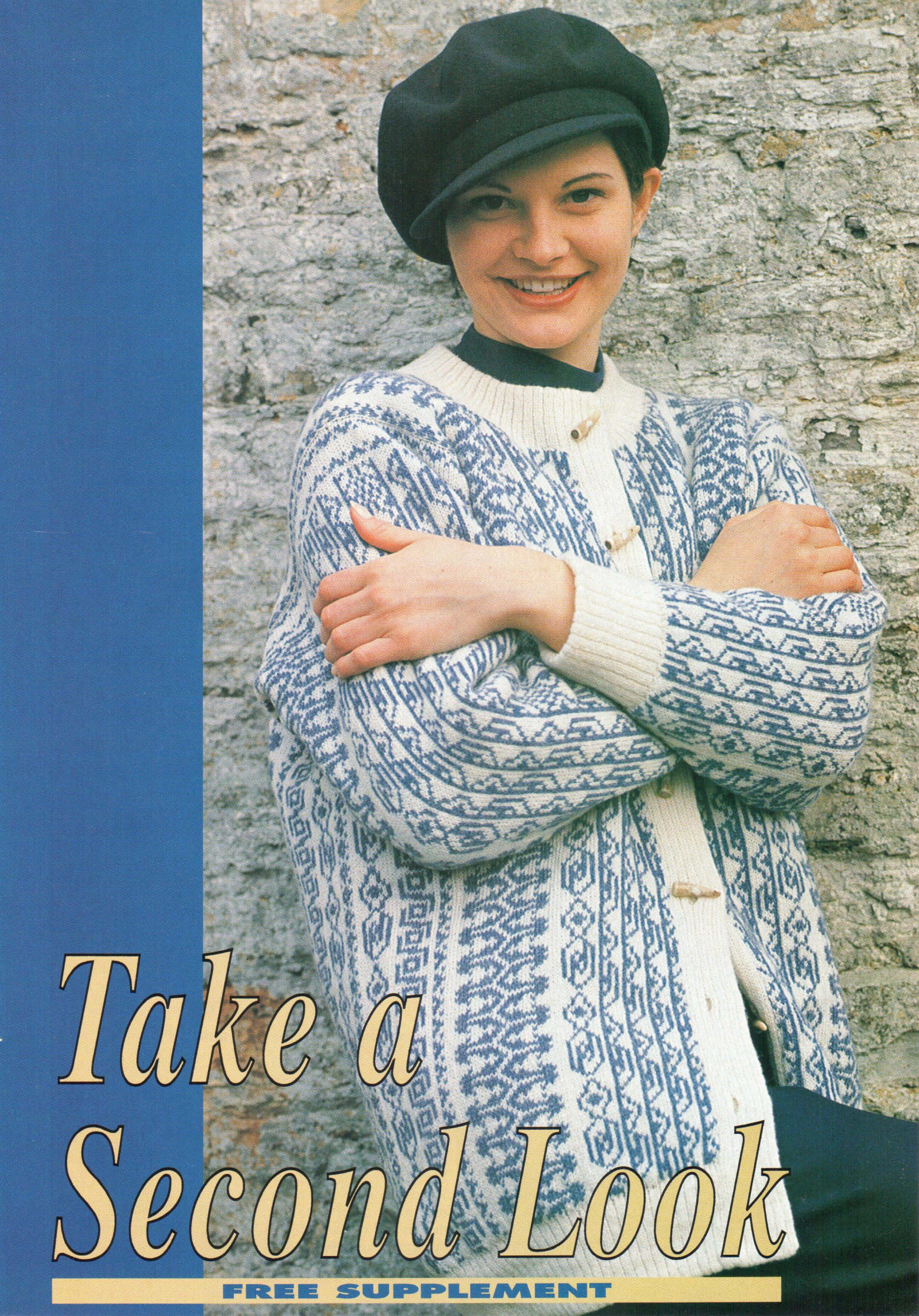


# Take a Second Look

FREE SUPPLEMENT

# Take a S

*Keep warm and cosy on long winter days in these stylish, reversible jackets. Both versions are knitted from one basic set of instructions but using different stitch patterns and colours for each side of the jacket.*

*Although these instructions are written for standard gauge electronic machines with multi-patterning facility, they could very easily be knitted on a standard gauge punchcard machine by either adapting or substituting the stitch patterns. The basic jacket instructions require no alteration.*

*Whichever version you are going to knit, please read the instructions carefully before commencing the garment.*

***MACHINES**: These instructions are written for standard gauge electronic machines with 200 st patterning facility but without ribber. We used a Brother 950i with PPD*

***YARN**: Rennie 2/8s Shetland and Jamieson & Smith 2 ply Jumper Weight Shetland*

***FIBRE CONTENT**: Both yarns are 100% Wool*

***COLOUR: Version One**: We used Rennie 2/8s Shetland in Ivanhoe (MC). Jamieson & Smith 2 ply Jumper Weight Shetland in White Shade 1 (A), Light Lilac Shade 49 (B), French Navy Shade 21 (C), Bright Lilac Shade 44 (D) and Pink/Lilac Shade 84 (E).*

***Version Two**: Jamieson & Smith 2 ply Jumper Weight Shetland in White Shade 1 (MC), Charcoal Shade 81 (A), Blue Shade 33 (B), Maroon Shade 43 (C), Bright Lilac Shade 44 (D), Dark Heather Shade 19 (E) and Heather Pink Shade FC22 (F)*

***STOCKISTS**: If you have any difficulty in obtaining these yarns, please write to Jamieson & Smith (Shetland Wool Brokers) Ltd, 90 North Road, Lerwick, Shetland ZE1 0PQ.*

*Or J C Rennie & Co, Mintlaw, P.O. Box 2, Peterhead AB42 6SA*

## SIZES

To suit bust 91-96[101-106]cm.
Finished measurement 117[126]cm.
Length 77cm.
Sleeve seam 47cm.
Figures in square brackets [ ] refer to the larger size; where there is only one set of figures, this applies to both sizes.

## MATERIALS

**VERSION ONE**

Rennie 2/8s Shetland.
1 x 1000g cone in MC.
Jamieson & Smith 2 ply Jumper Weight Shetland.
3 x 1oz hanks in A.
8 x 1oz hanks in B.
1 x 16oz cone in C.
3 x 1oz hanks in D.
3 x 1oz hanks in E.
8 buttons to match side A.
8 buttons to match side B.

**VERSION TWO**

Jamieson & Smith 2 ply Jumper Weight Shetland.
2 x 16oz cones in MC.
4 x 1oz hanks in MC.
4 x 1oz hanks in A.
1 x 16oz cone in B.
2 x 1oz hanks in C.
4 x 1oz hanks in D.
2 x 1oz hanks in E.
4 x 1oz hanks in F.
8 buttons to match side A.
8 buttons to match side B.

## GARMENT WEIGHS

1366g for size 101-106cm.

## MAIN TENSIONS

Wash, dry and lightly press tension swatch before measuring.
30 sts and 35.5 rows to 10cm measured over Fair Isle patt (tension dial approx 9•=MT).
30 sts and 35.5 rows to 10cm measured over st st (tension dial approx 8••=MT-••).
Tensions must be matched exactly before starting garment.

## ABBREVIATIONS

See page 113.

## NOTE

Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

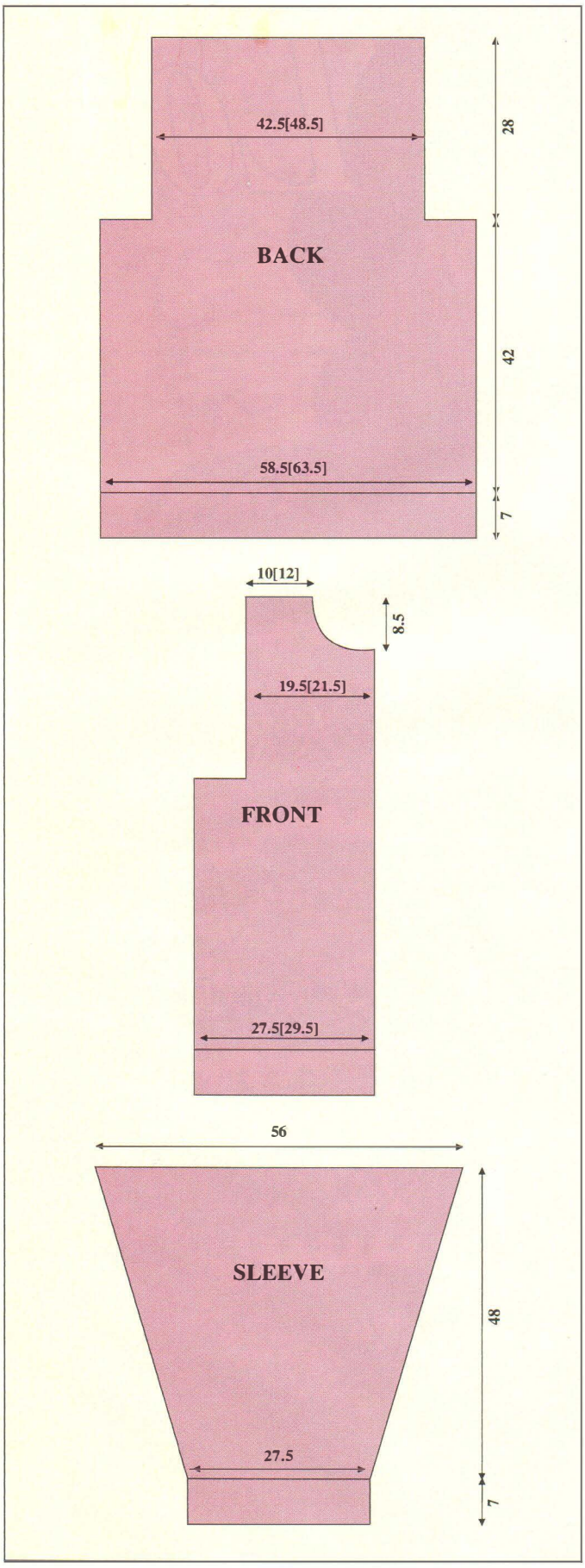
## ORDER OF WORK

Knit Side A, back, right front and left front.

# Second Look

Knit Side B, back, right front and left front.
Join shoulder seams.
Knit Side A sleeves and cuffs.
Knit Side B sleeves.
Join Side A cuffs to Side B sleeves.
Knit neckband on to Side A and then join to Side B.
Knit buttonhole bands.
Make up.
Wash, dry and press garment.

**PATTERN NOTE**
**VERSION ONE**
**SIDE A — BACK AND FRONT**
Using chart, program machine for patt. Work in the foll colour sequence.
■ MC+C, K2 rows.
B+C, K4 rows.
B only, K2 rows.
B+MC, K2 rows.
C+MC, K6 rows.
C only, K2 rows.
C+B, K4 rows.
C+E, K4 rows.
C+D, K4 rows.
C+MC, K4 rows.
C+D, K4 rows.
C+E, K4 rows.
C+B, K4 rows.
C only, K2 rows.
C+MC, K6 rows.
B+MC, K2 rows.
B only, K2 rows.
B+C, K4 rows.
MC+C, K2 rows.
MC only, K2 rows.
MC+B, K26 rows.
MC only, K2 rows ■.
Rep these 94 rows throughout.
**SLEEVES**
Using chart, program machine for patt commencing on row indicated.
Work in foll colour sequence.
MC+B, K10 rows.
MC only, K2 rows.
Now rep as given for back/front from ■ to ■ to end.
**SIDE B**
**BACK**
Create new patt grid 141 sts x 251 rows. Only the lower half of knot patt is shown on




charts. The top half is formed after entering the lower half, loading it in its entirety and then placing it upside down *and* reversing to complete pattern.
Pattern row 126 is the centre row.
When knitting ensure knot motif is placed centrally and that end N selection is cancelled. Use MC in feeder 1/A and A in feeder 2/B throughout and MT-••.

**SLEEVES AND FRONT**
Worked in st st using MC and MT-•• throughout.

**VERSION TWO**
**SIDE A**
**BACK**
Use MC in feeder 1/A and B in feeder 2/B for patts.
Create new patt grid 175[191] sts x 250 rows.
Enter patt 'A' as shown on chart, repeating vertically as folls:
Patt A1, 4 sts x 6 rows, then 2 sts space.
Patt A2, 8 sts x 26 rows, then 2 sts space.
Patt A3, 8 sts x 8 rows, then 2 sts space.
Patt A4, 3 sts x 6 rows, then 3 sts space.
Patt A5, 22 sts x 8 rows, then 3 sts space.
Patt A6, 8 sts x 25 rows, then 1 st space.
Patt A7, 22[30] sts (to include centre st) x 25 rows.
Load above reversed with cursor at st 88[96], ensuring design is central to form complete back patt.

**FRONTS**
Using back patt, program machine for single motif of back sts 1-83[89] over Ns 41-0-42[44-0-45] for left front.
Use same single motif over same Ns but with variation switch 1 programmed to reverse for right front.

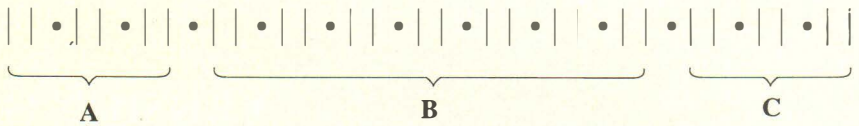
**SLEEVES**
Create new patt grid 169 sts x 170 rows. Load back patt from sts 3-172[12-180] (inclusive) and rows 1-170 (inclusive) into new grid.
Erase rows 1-12 inclusive x 169 sts at lower edge of grid.
Enter patt A8, 8 sts x 12 rows rep and load horizontally across lower edge of grid.

**SIDE B**
**BACK**
Create new patt grid. 175[191] sts x 250 rows. Enter patt B as shown on chart, repeating horizontally as folls:
Patt B1, 12 sts x 25 rows, load at row 1, then 2 row space.
Patt B2, 26 sts x 25 rows, load at row 28, then 2 row space.
Patt B1, 12 sts x 25 rows, load at row 55.
Patt B3, 16 sts x 20 rows, load at rows 87, 115, 143 and 171.
Erase last 6 rows of patt B3.
Enter rows 1-67 and load at row 184.
Work in the foll colour sequence:
■ ■ MC+A, K3 rows.
F+A, K3 rows.
F only, K2 rows.
F+C, K9 rows.
F only, K2 rows.
F+A, K3 rows.
E+A, K3 rows.
E only, K2 rows.
E+D, K25 rows.
E only, K2 rows.
E+A, K3 rows.
F+A, K3 rows.
F only, K2 rows ■ ■.
F+C, K9 rows.
F only, K2 rows.
F+A, K3 rows.
MC+A, K3 rows.
MC only, K7 rows.
■ ■ ■ MC+A, K6 rows.
MC only, K8 rows ■ ■ ■.
Rep from ■ ■ ■ to ■ ■ ■ until RC shows 183 ending with 7 rows of MC.
Now work as given from ■ ■ to ■ ■, once more.
F+C, K5 rows. RC shows 250.

**FRONTS**
Using back patt, program for single motif of back sts 1-83[89] over Ns 41-0-42[44-0-45] for left front.
Use the same patt with switch 1 set for reverse for right front.
Foll colour sequence given for back.

**SLEEVES**
Create new patt grid 169 sts x 170 rows.
Load patt B1 at st 1 and row 1.
Load patt B3 at rows 34, 62, 90 and 118.
Load patt B1 at row 146.
Ensure all patts are central.
Work in the foll colour sequence.
■ ■ ■ ■ MC+A, K3 rows.
F+A, K3 rows.

**DIAGRAM 1**



F only, K2 rows.
F+C, K9 rows.
F only, K2 rows.
F+A, K3 rows.
MC+A, K3 rows ■■■■.
MC only, K8 rows.
MC+A, K6 rows.
Rep these last 14 rows until RC shows 145.
Work as given from ■■■■ to ■■■■, once more. RC shows 170.

**BOTH VERSIONS**
Now foll the basic jacket instructions working in patt and colour sequence appropriate to the version of garment you are knitting.

**BASIC JACKET**
**PATTERN**
**SIDE A**
**BACK**
Push 87[95] Ns at left and 88[96] Ns at right of centre '0' to WP. 175[191] Ns. Arrange Ns for 2x1 mock rib.
* Using WY, cast on and K a few rows ending CAR.
Using nylon cord, K1 row.
Set RC at 000. Using MC and MT, K1 row.
Using MT-5, K69 rows.
Return intermediate Ns to WP.
Set machine for appropriate patt. Using MC and MT, K1 row to select.
Set carriage for Fair Isle knitting. CAR. Set RC at 000. Cont in patt *.
K150 rows.
**SHAPE ARMHOLES**
Cast off 24 sts at beg of next 2 rows. 127[143] sts.
K until RC shows 250. Mark the centre 67[71] sts for neck width.
Using WY, K a few rows and release from machine.

**RIGHT FRONT**
Push 41[44] Ns at left and 42[45] Ns at right of centre '0' to WP. 83[89] Ns. Arrange Ns for 2x1 mock rib.
Work as given for back from * to *.
** K150 rows. CAR.
**SHAPE ARMHOLE**
Cast off 24 sts at beg of next row. 59[65] sts. K until RC shows 220. CAR.
**SHAPE NECK**
Release 15 sts at left edge on WY. Cont on rem 44[50] sts keeping patt correct.
Dec 1 st, fully fashioned method, at left edge on every row, 7 times.
Dec 1 st, fully fashioned method, at left edge on every foll alt row, 7 times. 30[36] sts.
K until RC shows 250. Release on WY **.

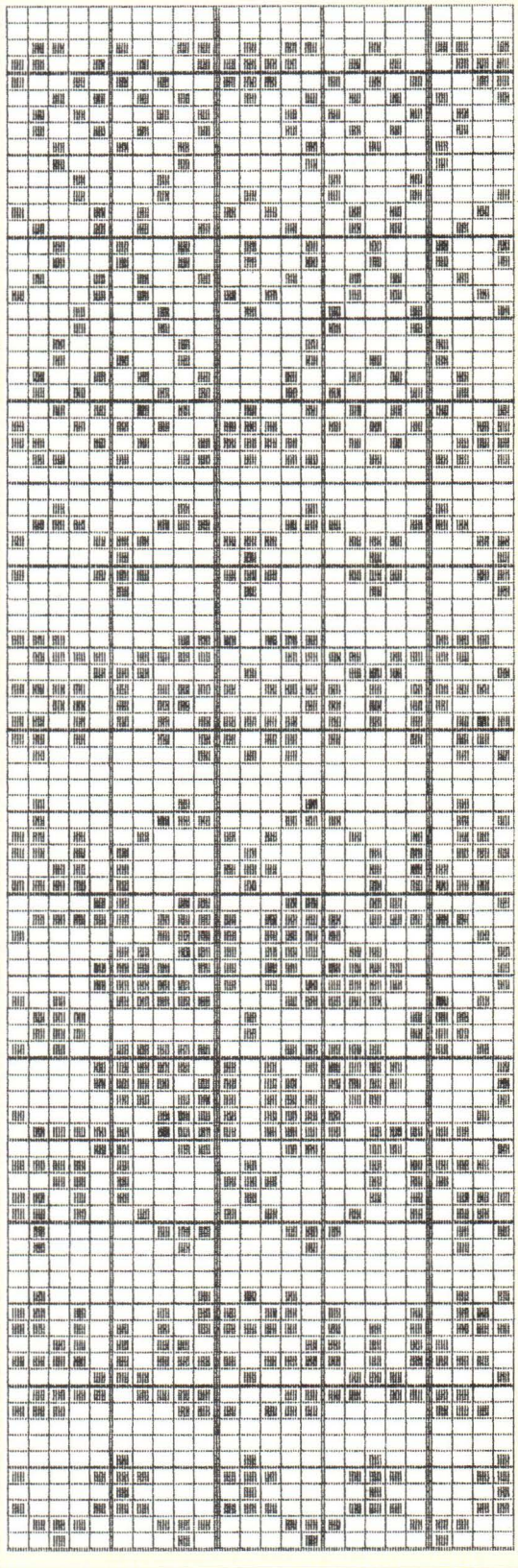
**LEFT FRONT**
Work as given for right front, reversing shapings.

**SIDE B**
**BACK**
Push 87[95] Ns at left and 88[96] Ns at right of centre '0' to WP. 175[191] Ns. Arrange Ns for 2x1 mock rib.
With wrong side facing, hang loops from first row of Side A — back held on nylon cord on to Ns.
Bring intermediate Ns to WP.
Make a hem by picking up loops from first row of MC at top of mock rib on Side A — back and hanging on to Ns.
Set machine for appropriate patt. Using MC and MT, K1 row. CAR.
Set RC at 000. Set carriage for Fair Isle knitting. Cont in patt.
K150 rows.
**SHAPE ARMHOLES**
Cast off 24 sts at beg of next 2 rows. 127[143] sts.
K until RC shows 250. Mark the centre 67[71] sts for neck width.
Using WY, K a few rows and release from machine.

**RIGHT FRONT**
Push 41[44] Ns at left and 42[45] Ns at right of centre '0' to WP. 83[89] Ns. Arrange Ns for 2x1 rib. With wrong side of Side A — left front facing, hang loops from first row of MC held on nylon cord on to Ns.
Bring intermediate Ns to WP.
Make hem by picking up loops from first row of MC at top of mock rib on Side A — left front and hanging on to Ns.
Set machine for appropriate patt.
Using MC and MT, K1 row. CAR.
Set RC at 000. Set carriage for Fair Isle knitting. Cont in patt.
Work as given for Side A, right front from ** to **.

**LEFT FRONT**
Work as given for right front, pick up loops from rem side A — right front to start and then reversing shapings.

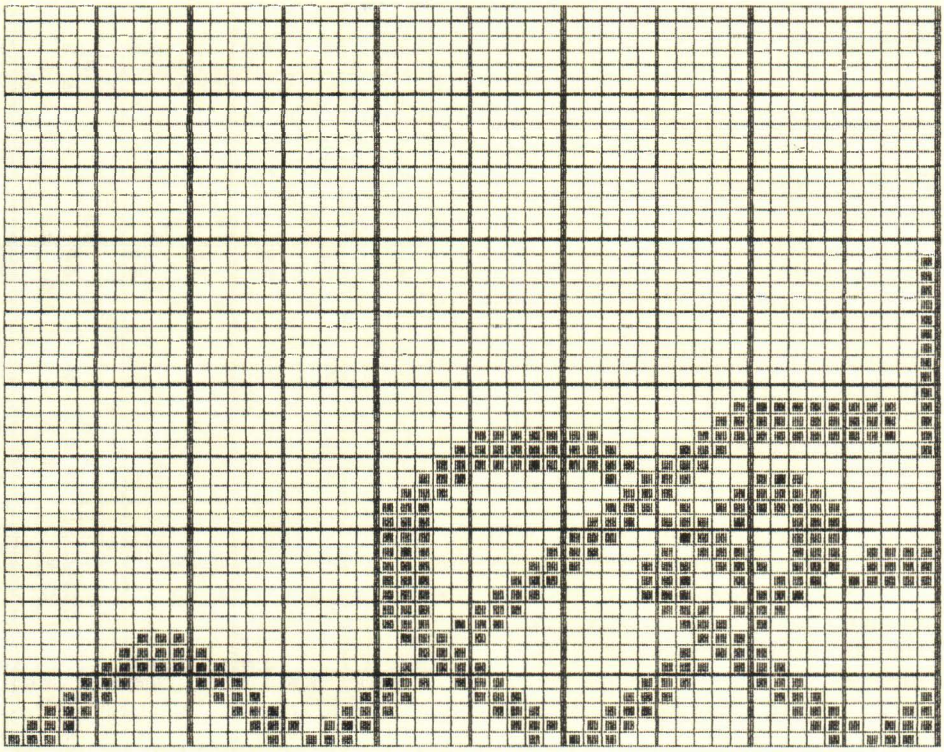
**VERSION ONE**
**SIDE A PATTERN CHART**



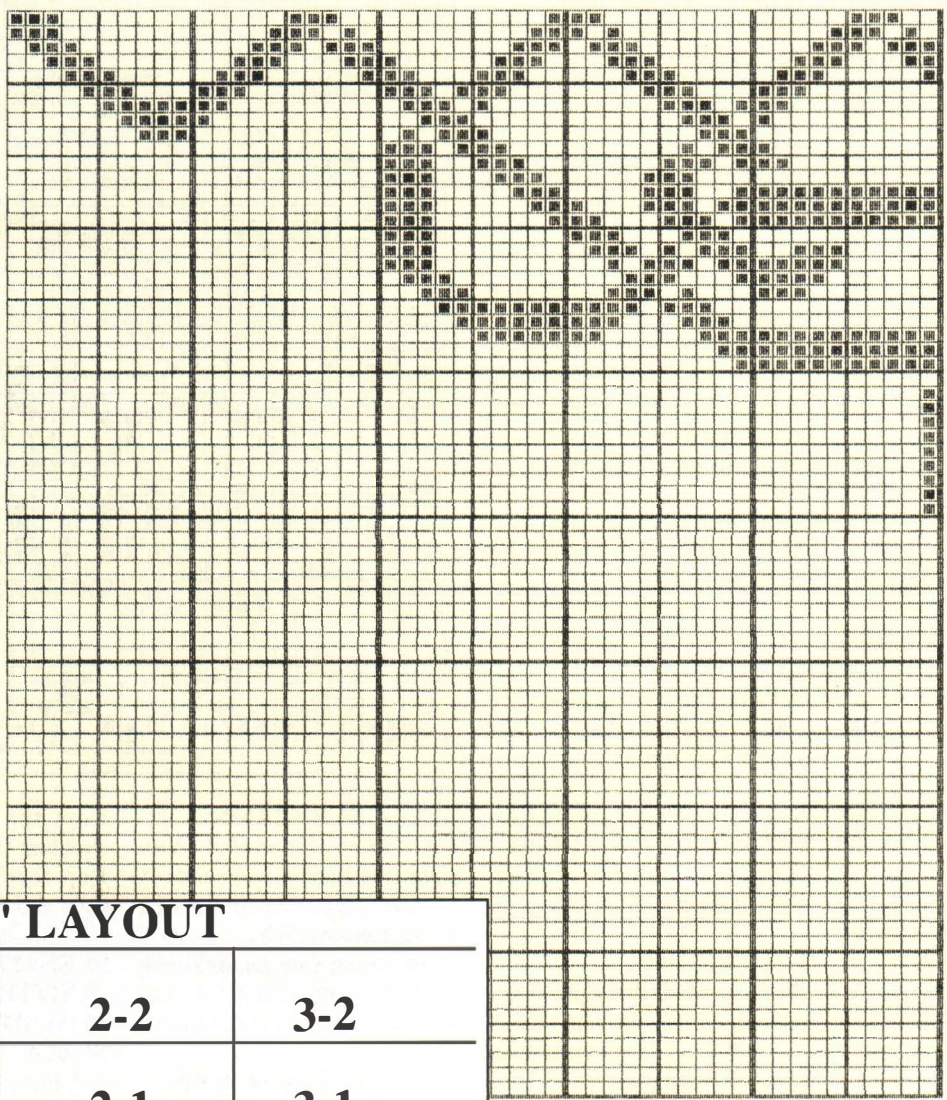

**SHOULDER SEAMS**
Push 30[36] Ns to WP. With right side facing, hang Side A — back right shoulder sts on to Ns. Remove WY.
With wrong side facing, hang corresponding Side A — front shoulder sts on to Ns. Remove WY.
Cast off the 2 sets of sts tog.
Rep for rem Side A — shoulder sts.
Rep for Side B — left and right shoulder sts.

**SLEEVES**
**(KNITTED DOWNWARDS)**
**SIDE A**
*** Push 84 Ns at left and 85 ▷59

1-2



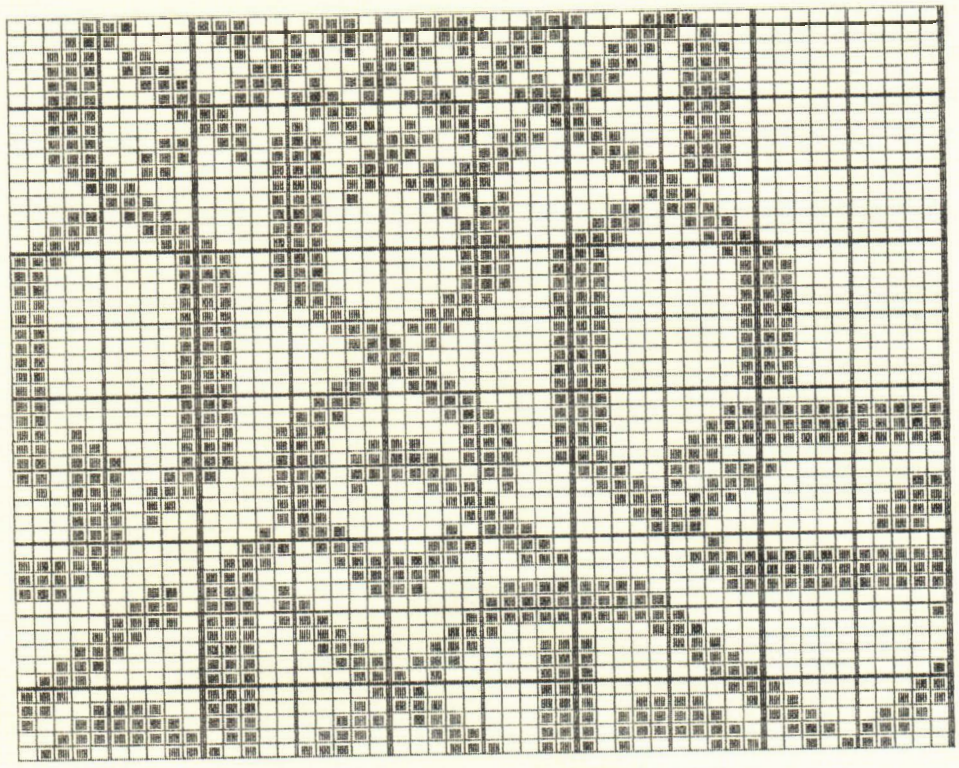
1-1



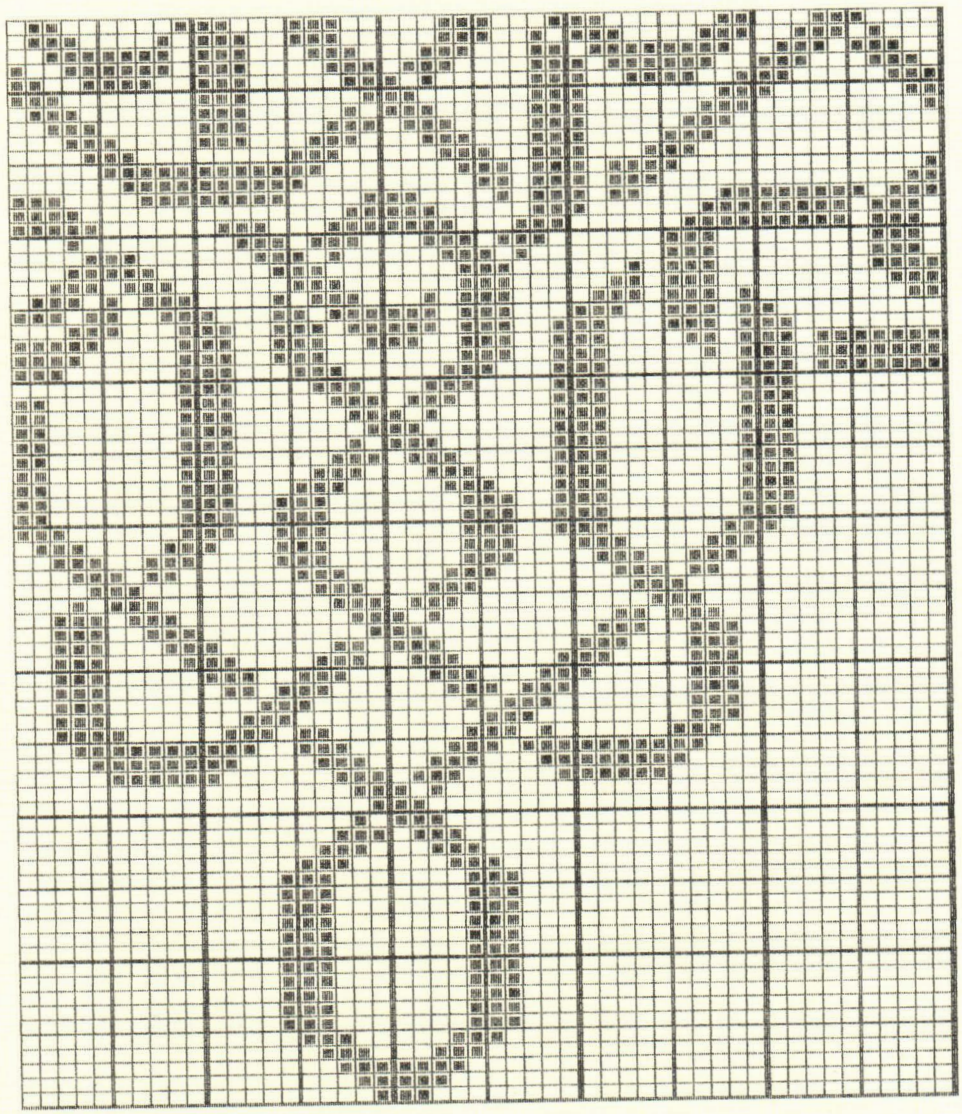
'KNOT ' LAYOUT

| | | |
|---|---|---|
| 1-2 | 2-2 | 3-2 |
| 1-1 | 2-1 | 3-1 |

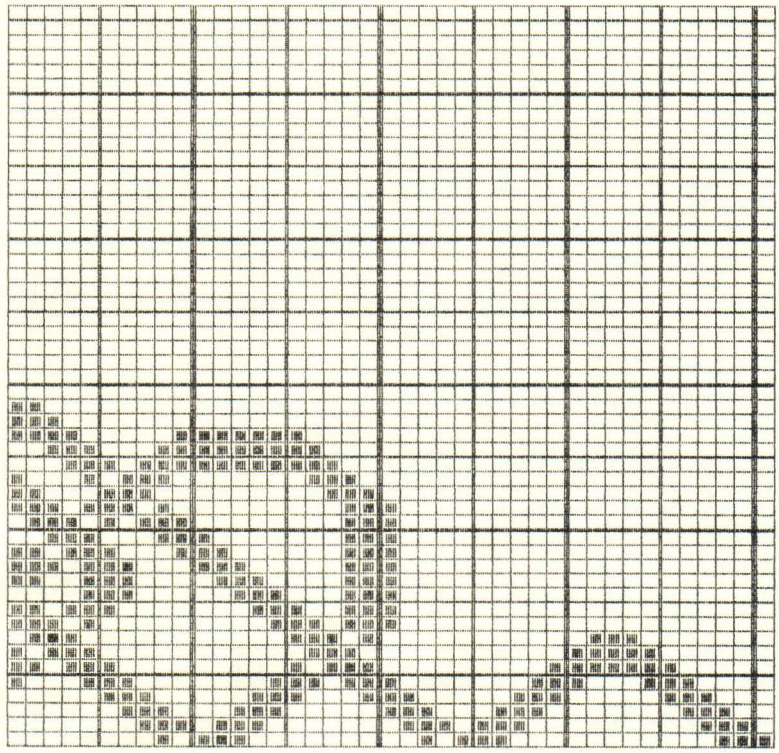
2-2



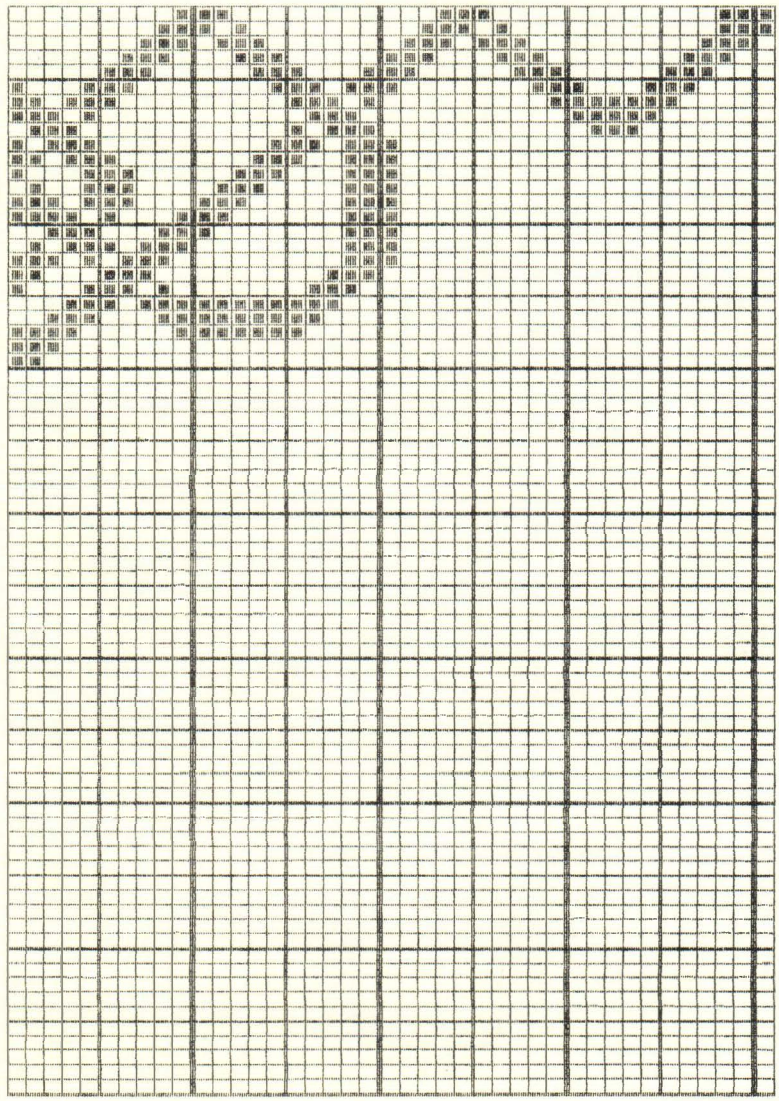
2-1



## 3-2



## 3-1



55 Ns at right of centre '0' to WP. 169 Ns. With wrong side facing, hang Side A — armhole edge evenly on to Ns. Match shoulder seam with centre N.
Set machine for appropriate patt. Using MC and MT, K1 row to select. CAR.
Set RC at 000. Set carriage for Fair Isle knitting. Cont in patt. K26 rows.
Dec 2 sts, fully fashioned method, at each end of next and every foll 8th row, 15 times in all. 109 sts.
Dec 2 sts, fully fashioned method, at each end of every foll 4th row, 6 times. 85 sts.
K until RC shows 170.
Dec 1 st at each end ***. 83 sts.

**CUFF**

Set machine for st st. Using MC, K1 row. Arrange sts for 2x1 mock rib.
Set RC at 000. Using MT-5, K69 rows.
Using MT, K1 row.
Using WY, K a few rows and release from machine.

**SIDE B**

Work as given for Side A — sleeve from *** to ***.
Using MC, K1 row st st.
Using WY, K a few rows and release from machine. Turn work and with right side facing, rehang last row of Side B — sleeve on to Ns. Remove WY.
With wrong side facing, hang last row of cuff from Side A on to Ns. Remove WY.
Turn cuff by picking up loops from last row of MC before start of cuff (on Side A) and hanging on to corresponding Ns.
Using T10+, K1 row. Cast off.

**NECKBAND**

Push 149 Ns to WP. With wrong side facing, hang Side A — neck edge on to Ns as folls:
Pick up 15 sts from WY at centre front, 29 sts from rem section of front neck, hang back neck sts on to 61 Ns, (dec 6[10] sts evenly), pick up 29 sts from rem front neck and 15 sts from WY. 149 sts.
Using MC and MT, K1 row.
Arrange sts for 2x1 mock rib.
Set RC at 000. Using MT-5, K 49 rows.
Using MT, K1 row.
Using WY, K a few rows and release from machine. ▷61

**VERSION ONE SIDE B**

VERSION ONE
SIDE B

59◁

With right side facing, hang Side B — neck edge evenly on to Ns. Pick up the same number of sts as given for Side A (149 sts).

With wrong side facing, hang sts from last row of neckband on to corresponding Ns (every 3rd N). Turn neckband by picking up loops from first row of neckband and hanging on to corresponding Ns ensuring Sides A and B are correctly aligned.

Using MT, K1 row. Cast off.

**BUTTONHOLE BAND (KNIT TWO)**

Push 38 Ns to WP. Arrange Ns for 2x1 mock rib as shown in Diagram 1 (page 54). Using WY, cast on and K a few rows ending CAR.

Using nylon cord, K1 row.

Set RC at 000. Using MC and MT, K1 row. Using MT-5, K9 rows. CAL. RC shows 10.

Make 2 buttonholes as folls:

**** Disconnect RC. Set carriage to hold. Leaving group A sts in WP (see Diagram 1), push rem Ns to HP. K7 rows.

Push Group A sts to HP. Return group B sts to UWP. Leaving a long loop, K7 rows over this next group of sts.

Push Group B sts to HP. Return Group C sts to UWP. Leaving a long loop, K7 rows over this next group of sts.

Cancel hold, K1 row over all sts ending CAL.

Reconnect RC.

Advance RC by 8 rows ****. K28 rows (RC shows 46).

Work in this way making 2 buttonholes as given from **** to **** when RC shows 46, 82, 118, 154, 190, 226 and 262.

8 sets of buttonholes have been made. K until RC shows 279.

Using MT, K1 row.

Using WY, K a few rows and release from machine.

**TO MAKE UP**

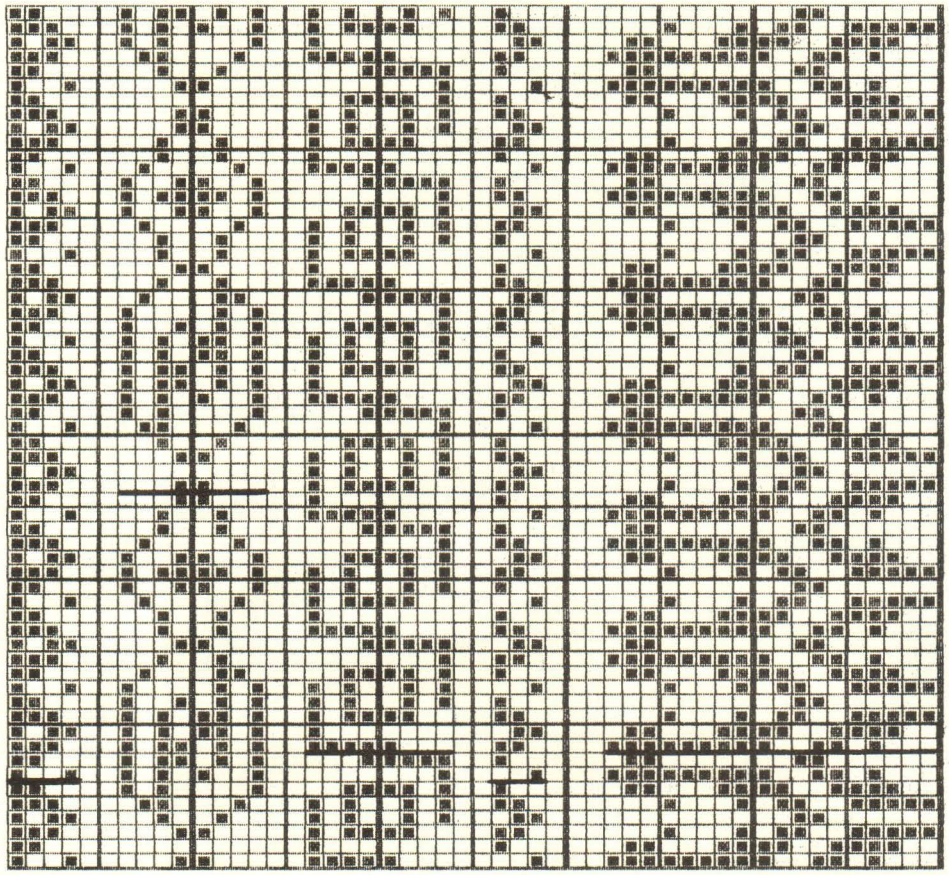
Join side of sleeves to cast off edges of armholes.

Join side and sleeve seams.

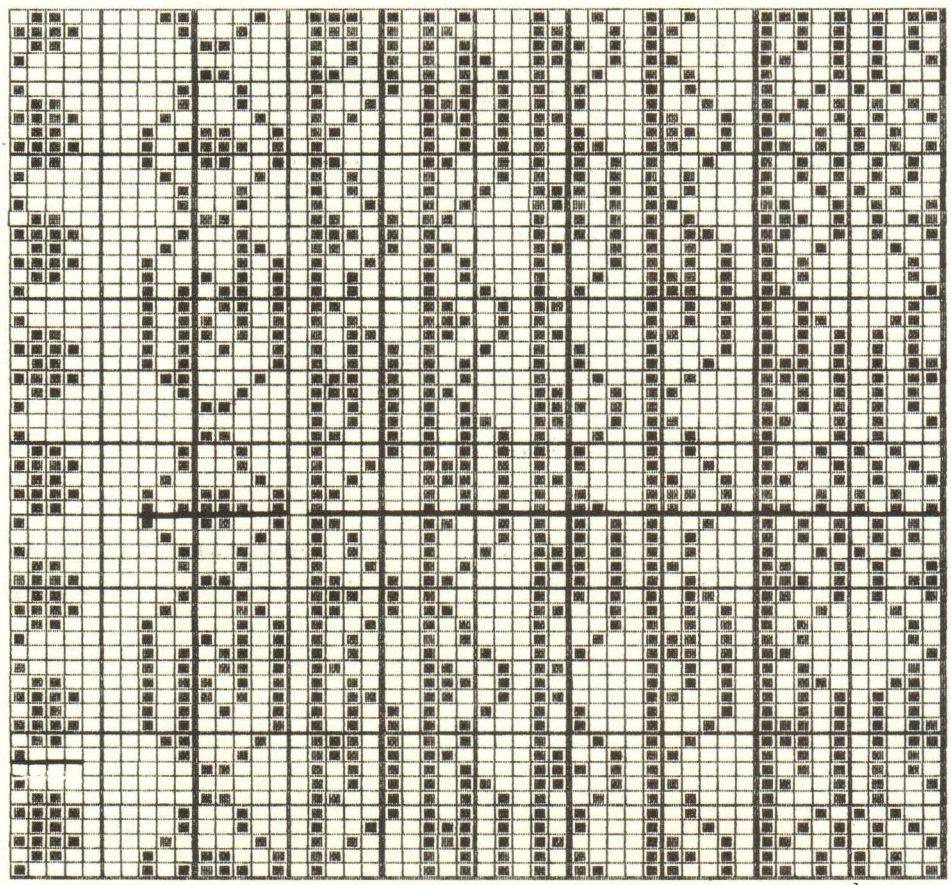
With wrong sides tog, catch front edges of Side A and B evenly tog.

Attach buttonhole band to Side A of jacket then fold in half and join neatly to Side B.

Rep for rem buttonhole band. ▷64



A1 A2 A3 A4 A5



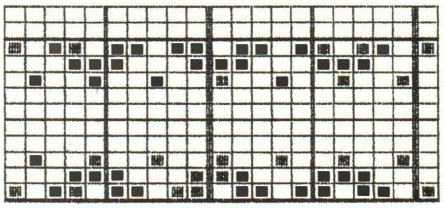
A5 (cont) A6 A7

Centre st for 91-96cm

Centre st for 101-106cm

VERSION TWO
SIDE A

**VERSION TWO — SIDE A**
**PATTERN CHART FOR TOP OF SLEEVES**



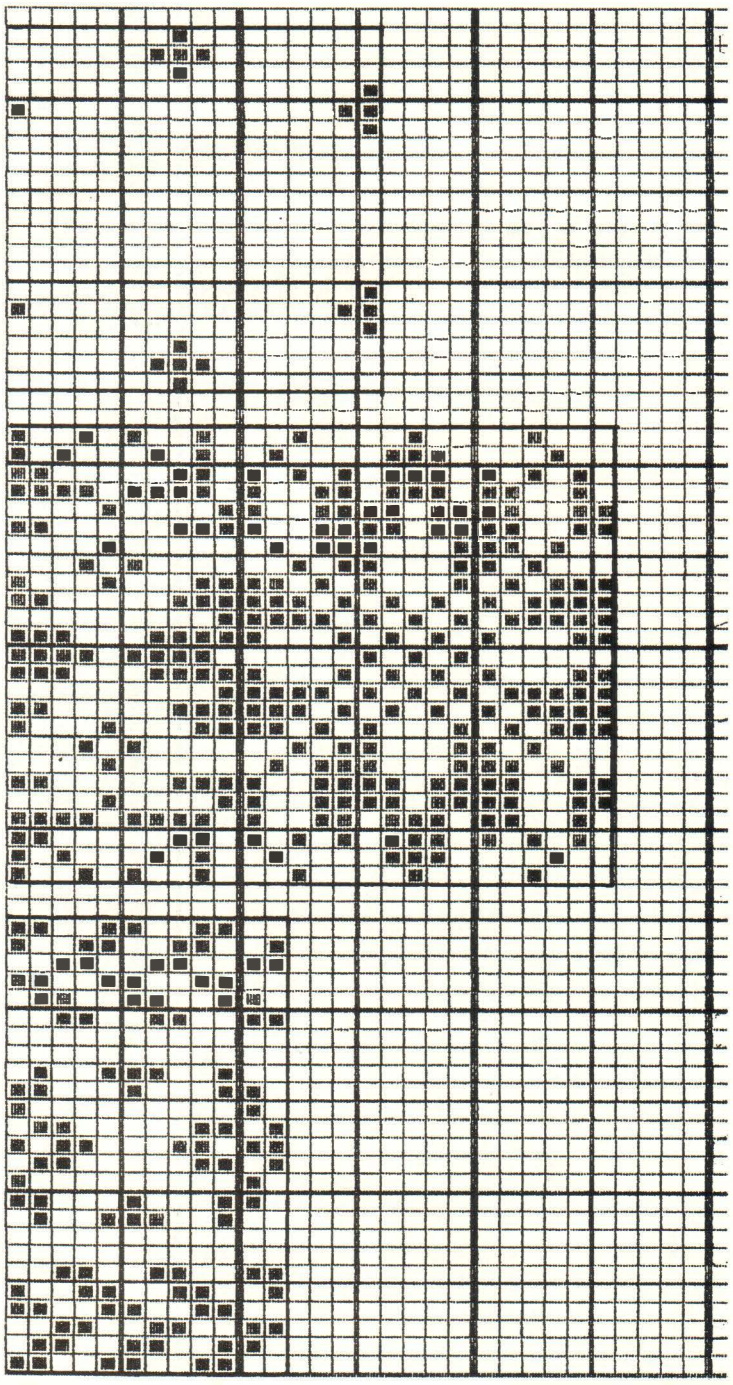
**A8**

**VERSION TWO**
**SIDE B PATTERN CHART**

**B3**

**B2**

**B1**



61 Backstitch tog top and lower edges of bands.
Finish buttonholes.
Make reversible toggles by pairing buttons back to back with approx 1cm space in between.
Wash garment to remove oil.
Use a fabric softener in last rinse.
Block out to correct shape and size.
Leave to dry.
Using a dry cloth, lightly steam press.

**VERSION TWO**
**SIDE B**

# Take a Second Look

FREE SUPPLEMENT

CAROL CHAMBERS

# Fast Fringes and Tassels

## *Quick and easy ideas to decorate your knitwear*

If the fashion pundits are correct, you will hardly be able to enter a clothes shop without seeing fringing on something this season! Luckily it is a trim which works beautifully with knitwear and is quickly and easily made on the machine.

**BASIC SPEED FRINGE**

The simplest fringing can be made on any machine. Arrange needles as shown in Diagram 1 — the number of needles left out of work can be varied to suit the finished length of fringe required. Cast on by hand over working position needles and hang a comb, plus a claw weight under the working needles. (If a cast on comb is not available, a claw weight under each set of working needles should be sufficient). All you need to do now is knit the number of rows to give the length of trimming you require. When the trim is removed from the machine it is as shown in Sample 1A. To release the fringing, simply cut off the excess stitches (in our example three) for a fringing as shown in Sample 1B.

If you have a lot of fringing to knit, two strips can be worked simultaneously by using the needle set up as shown in Diagram 1A. As you can see, it is simply a mirror image of the single length fringing and both sides of the centre stitches need to be cut, thus releasing two lengths of fringe.

The fringes shown on these samples look quite full. This is because they have been knitted in stranded yarns. Three ends of 2/16s were knitted together (TD approx 7). Even if your main yarn is a 4 ply or thicker, you could still use stranded yarns — in toning or contrasting colours for the fringe if you like the fuller thread appearance. However, there are times when knitting with two or three strands would make the fringe edging thicker and heavier than you require. In this instance you need a way of increasing the strands for the fringe without increasing the thickness of the edge.

**THE WIND-OVER FRINGE**

Arrange the needles as for Sample 1, cast on and knit a couple of rows in main yarn, ending at the left of the work. Using a separate ball of main yarn, contrast, or stranded yarns, make a slip knot and join on to inside needle as indicated in Diagram 2. The slip knot is only worked right at the beginning, just to join on the supplementary fringe yarn(s). Wind the fringe yarn around the inside needle of the second set of working needles as shown in diagram, then back to the needle with slip knot. Finish by 'e' wrapping around the needle holding the slip knot, then knit two rows. Repeat the winding and 'e' wrapping sequence on alternate rows, as shown in Diagram 2. The extra 'e' wrapping when the yarn has been wound around the needle helps to secure it and also forms a decorative edge in its own right — as shown in Sample 2A. Sample 2B shows the plain side of the knitting, where, had all the fringe been worked in the main colour the extra winding would scarcely show.

Using the wind-over technique you can incorporate different thickness yarns and materials into the fringing. Sample 3 was made in the same manner as Sample 2. Instead of working with fine stranded yarns, the main knitting yarn was 4 ply and the supplementary fringe yarn was cotton knitting tape. Although the tape would

DIAGRAM 1

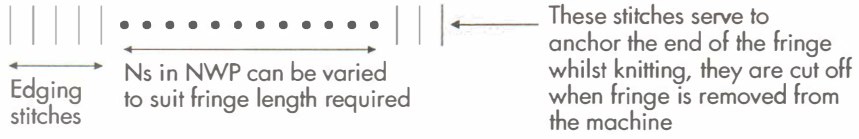

These stitches serve to anchor the end of the fringe whilst knitting, they are cut off when fringe is removed from the machine
Edging stitches
Ns in NWP can be varied to suit fringe length required

DIAGRAM 1A

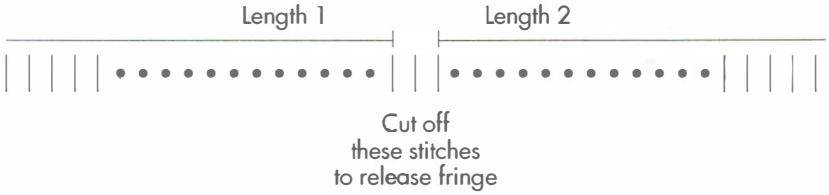
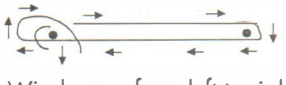



DIAGRAM 2

* This is N to attach slip knot on to.
* Wind between this one and the one marked * for supplementary fringing



Wind yarns from left to right as shown by arrows

normally knit quite thickly (as a double knit), it is a flat tubular band and flattens out neatly when wound around the needles. Therefore it was possible to obtain a full fringe by winding on every, instead of alternate rows.

**FAIR ISLE EDGING**

One obvious way of knitting two yarns simultaneously, without stranding them, but so that they can both be incorporated into a fringe, is to work in Fair Isle. The edging thickness is barely increased from stocking stitch, but strands of both colours are carried across the empty needles to be knitted by the 'waste' group. You do need to play around with the pattern and needles out of work, as whatever edge design you choose needs to carry the yarn across the non working needles and knit on at least one of the stitches in the waste group on every row. If you have a machine with end needle selection, you can ensure that the contrast colour knits on every row, by making sure that the carriage is set for this selection. However, depending on your pattern, all the end needles might be selected forward on some rows, so that the main yarn would not knit on them. Sample 4 was worked in bird's-eye Fair Isle (using two ends of 2/16s in Feeder 1/A and a 4 ply in Feeder 2/B) and the needle arrangement amended as shown in Diagram 3.

With four instead of three needles at the waste end, both the main and the contrast colour will knit on every row. Both end needles will always be selected (as we have end needle selection on), the centre two needles will knit one stitch in main and one stitch in contrast, just alternating the needle that does this. A side benefit of working in this pattern with end needle selection, is that the edging side is trimmed with a plain row of the contrast colour at each edge, giving a neat contrast line.

**BUILT-IN TASSELS**

Tassels can be added to a plain edge whilst you are knitting. The method given here allows the use of contrast yarn or materials for the tassels, although, of course, a separate ball of the main colour could also be used. Cast on the stitches you want for the edge and knit a few rows. Pull out the end needle opposite the carriage and another needle at the approximate length for the tassel you need — see Diagram 4.

Wind the tassel yarn around these two needles until you have the thickness of tassel you want, then break off the yarn. Use a separate end to tie off the tassel near to the knitted edge (as in diagram) and then release the other edge from the needle. Be sure to push the empty needle back to non working position before carrying on knitting. Leave the needle holding the tassel fully forward to knit the next row and then knit as many rows as you desire between tassels before repeating the procedure. Sample 5 was worked using two ends of Silver 2/16s for the main yarn and two ends of 2/30s as the tassel yarn. Four rows were worked between each tassel. Once the edge is off the machine, neaten up the tie off and trim the end of the tassel to the desired length.

**PLANNING FOR TASSELS**

The final sample has incorporated tassels only after it was removed from the machine. Obviously, knitted fabric is pretty flexible and if you want to add something into it, you can simply push the transfer tool through any stitch and row as required. It is sometimes easier and neater to plan the positions for adding in later decorations. Tassels were required on a plain stocking stitch hem, so holes were incorporated into the hem to easily accommodate the tassels. Do not forget to make the holes (simply transfer a stitch to an adjacent needle and leave the empty needle in working position) either side of the hem fold row. A later trimming of tassels was used on the background fabric, and holes were also made for these in sequences of two, as shown in Diagram 5.

Both positioning and actually inserting the tassels is very easy with their placements worked out like this. Tassels were made in the usual manner with separate lengths of yarn. However, the machine was used for winding the yarn. It is a quick and easy way of winding, provided you pull the needles all the way forward and don't put any sideways stress on them whilst winding (well, there's no point in saving time doing one job only to waste it later replacing bent needles!).

There are many other ways of making and using fringes and tassels, but I hope you enjoy playing with these — some of the 'faster' versions.

Happy New Year and happy knitting,

DIAGRAM 3

* = Ns selected every row. These will be knitted in cotrast yarn

P = The set of needles over which the Fair Isle pattern will work as shown on a punchcard or mylar sheet

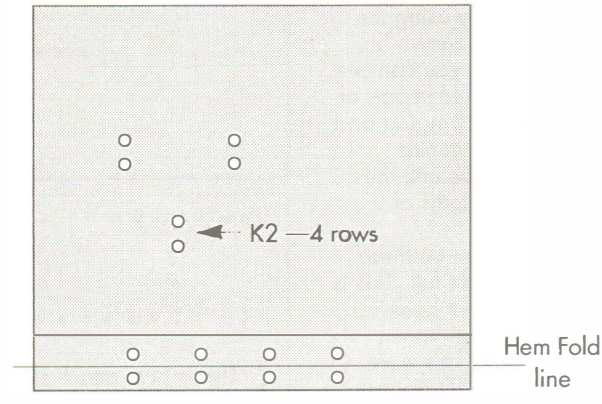
DIAGRAM 4

* = Needle which is an integral part of edging, selected forward to hold tassel

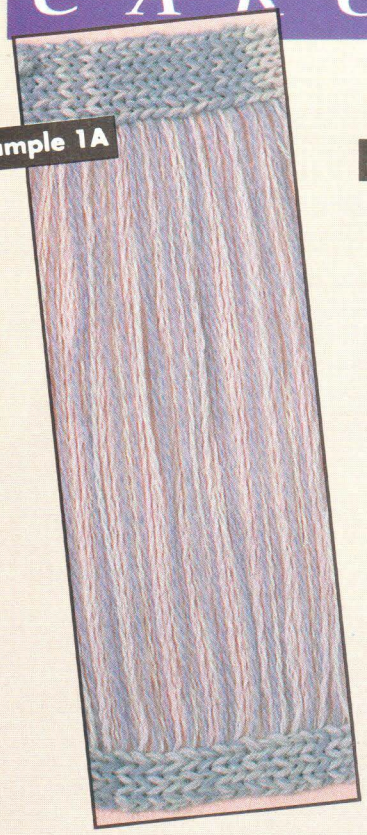
X = Needle brought into work to wind tassel. It is always in NWP when knitting

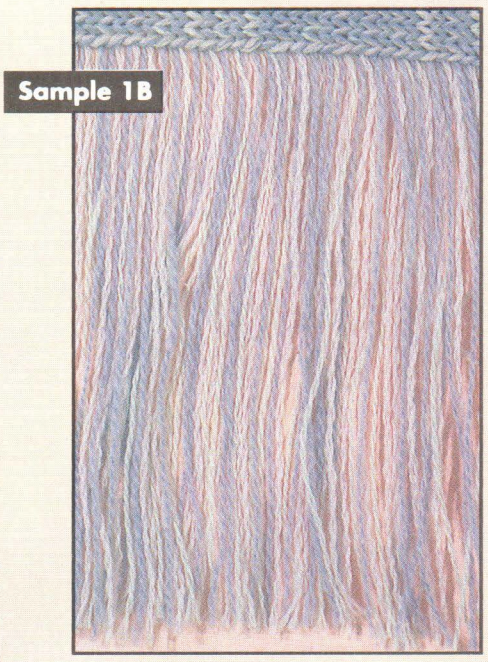
Wind between needles, tie off close to edging needle. Release loops from needle at the right

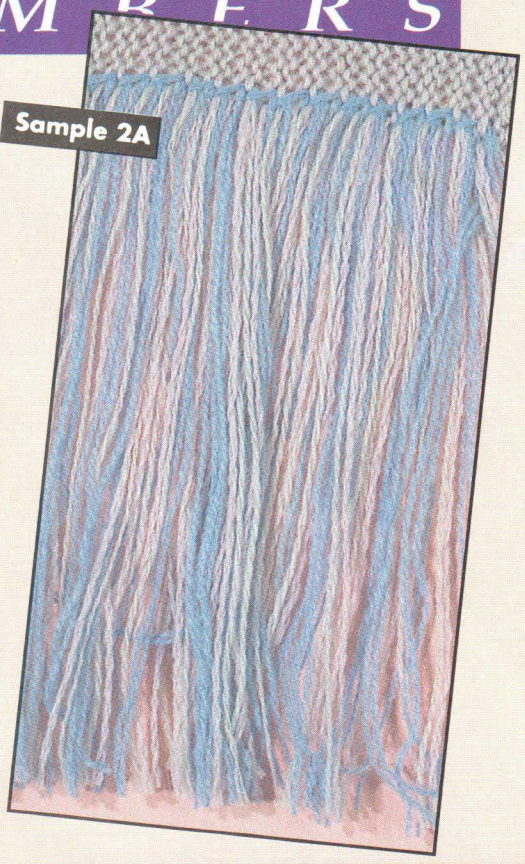
DIAGRAM 5

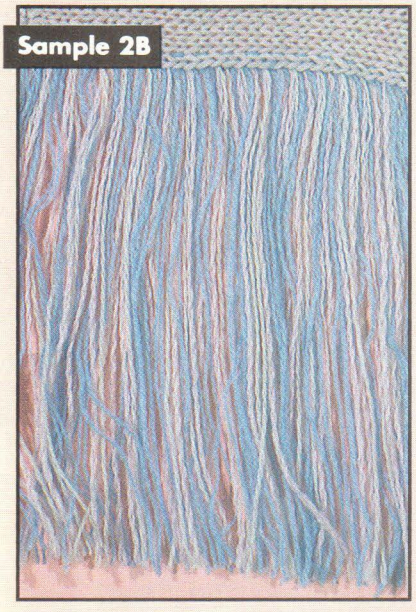


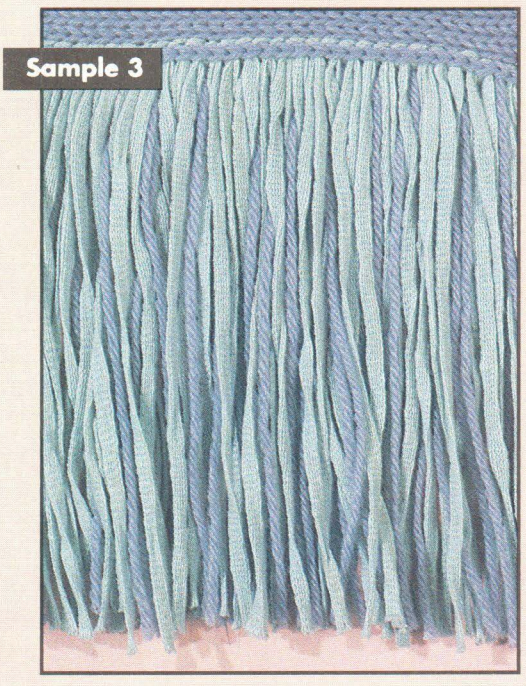
# CAROL CHAMBERS

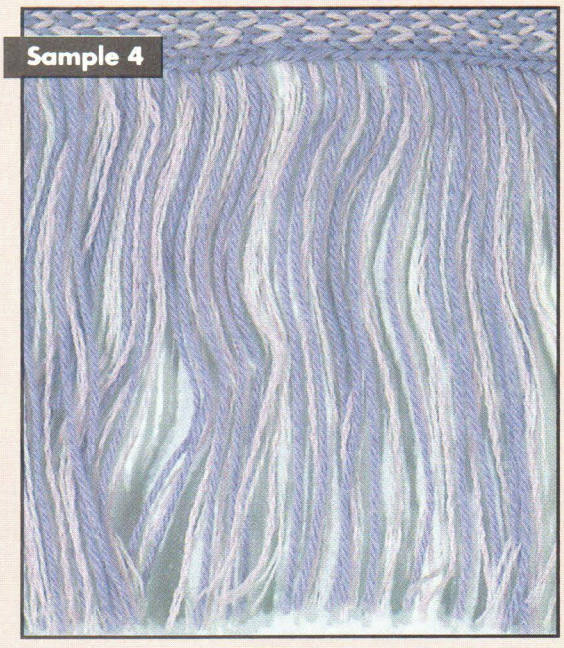


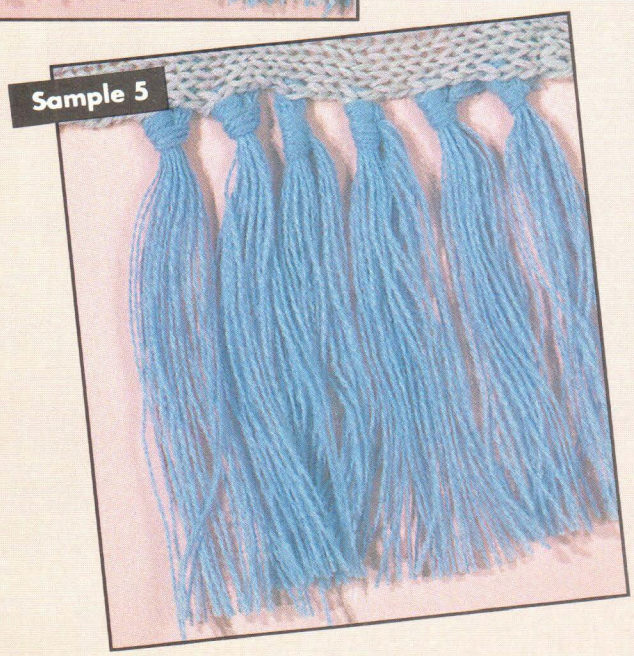



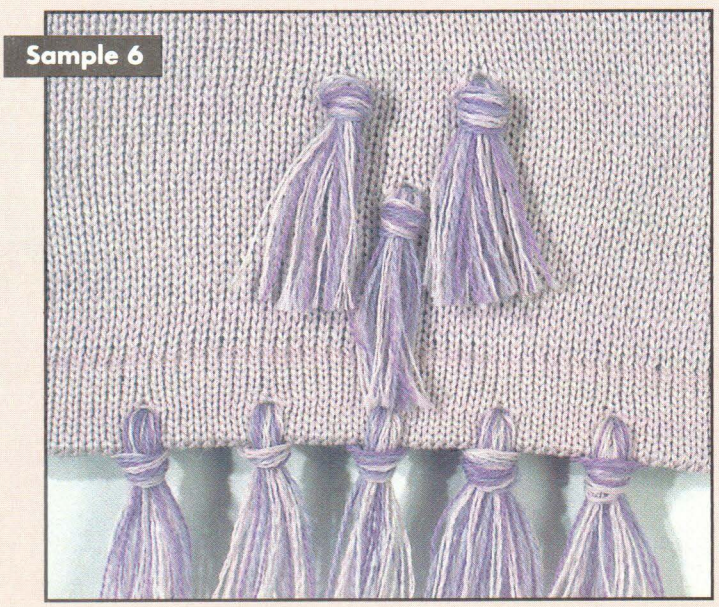



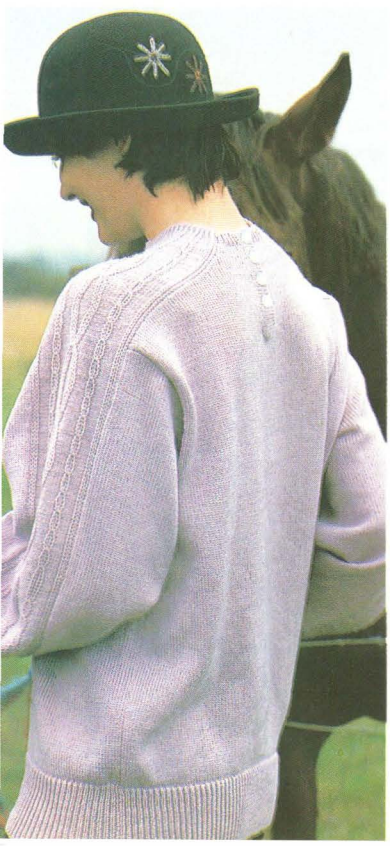
# 14

## Lady's Sweater with Cable Panel

# Silver/Grey

***MACHINES**: These instructions are written for Passap/Pfaff Duomatic or Electronic 6000 machines*
***YARN**: BK 4 ply Superwash Wool*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Silver (MY)*
***STOCKISTS**: To obtain this yarn, please write to B.S.K. Ltd, Murdock Road, Manton Ind Est, Bedford MK41 7LE*

**SIZES**
To suit bust 86[91:96:101:106]cm.
Finished measurement 98[104:110:116:121]cm.
Length 54.5[57:61.5:63.5:63.5]cm.
Sleeve seam 47.5[49.5:53:55:55]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.



**MATERIALS**
BK 4 ply Superwash Wool.
2 x 500g cones in MY.
4 buttons.

**GARMENT WEIGHS**
538g for size 96cm.

**MAIN TENSIONS**
Wash, dry and lightly press tension swatches before measuring.
40 sts = 14.7cm and 40 rows = 9cm measured over st st (SS approx 5¾).
35 sts = 11.5cm and 40 rows = 7.5cm measured over cable panel (SS approx 5½/3½).
Tensions must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
**ELECTRONIC 6000 MACHINES**
This garment is worked using all manual techniques. It is not necessary therefore to program the console.
FB pushers are used to hold some sts. Before starting garment, check that FB pushers remain in upper working position as folls:
Bring 60 FB pushers to upper working position.
Set locks on $\frac{GX}{LX}$.
Move locks across without yarn or strippers. Move locks back. If pushers remain in upper working position, no further action is necessary. If pushers have moved to lower working position, proceed as folls:
Program in any cast on and 183 on St Patt A or whichever letter is convenient. Go into knitting program and set up for knitting 183. When RC 0 shows in the display, press the fast forward button to get to 'PROGR' and switch off the console. Check pushers again and they should now stay in the upper working position.
The lock RC and console RC will not always agree. Where a RC count is given, this refers always to the lock RC.
**BOTH MACHINES**
When instructed, place FB pushers into holding position (HP).
On the Electronic 6000, pushers must be returned to rail and on the Duomatic they need only go to lower working position. Ensure that no arrow key is pressed or this will change pusher settings. When working cables, cross sts in the same direction throughout. i.e. right over left.
Knit side is used as right side of st st.
Purl side is used as right side of cable panel.
Measurements given are those of finished garment and should not be used to measure work on the machine.

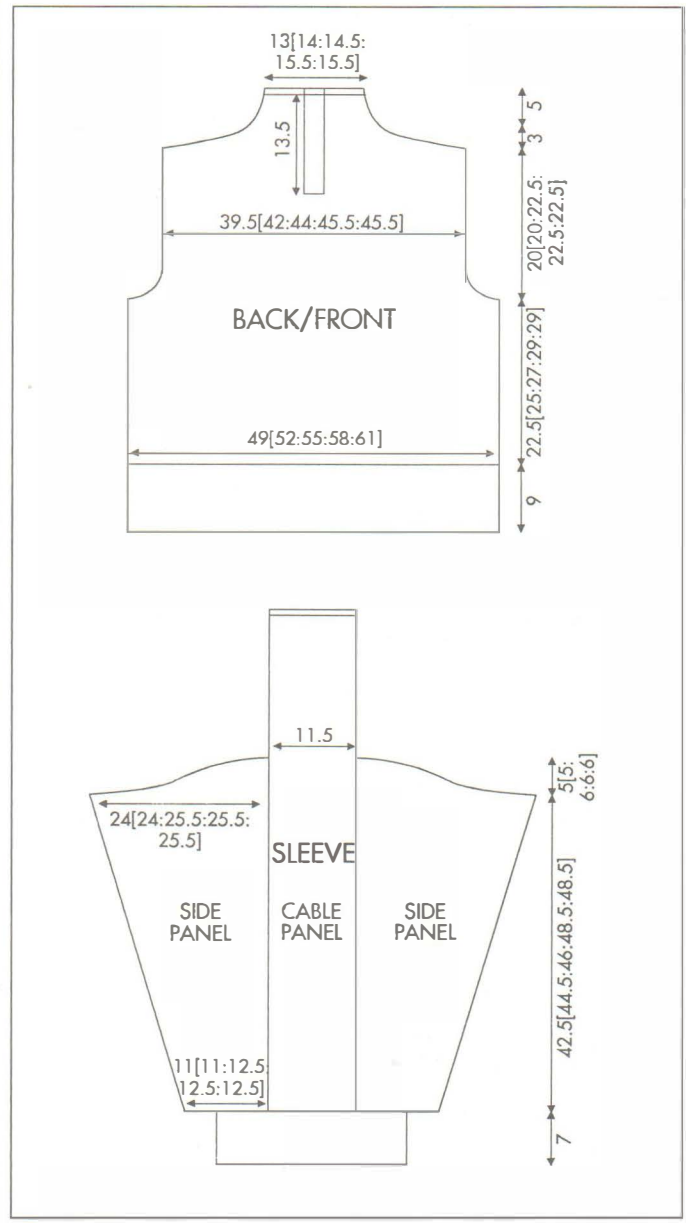
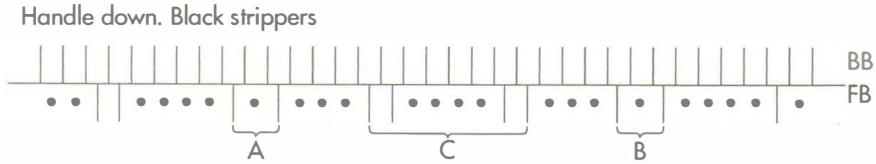



DIAGRAM 1



**TENSION SWATCH FOR CABLE PANEL**
Push 35 Ns on BB to WP. Return alt Ns to NWP. Black strippers. Set locks on N/GX, SS 4/-.
Using WY, K1 row.
Bring alt Ns back into WP, K1 row. SS 4½/-, K2 rows. SS 5/-, K2 rows.
K at least 10 rows and ensure all sts are knitting correctly.
For cast on with FB, reverse settings.
When working cable panel, it is important to twist cables right over left throughout. Only FB sts are twisted. Using MY, SS 5½/-, K2 rows. Arrange FB Ns as shown in Diagram 1. The outer Ns on BB provide seam allowances.
Set locks on N/CX, SS 5½/3½.
Set RC at 000. Work cables over group A and B sts as folls:
* K10 rows. Cross group A sts leaving empty N in between. Rep over group B sts *.
Rep from * to * throughout and *at the same time*, when RC shows 10, work as folls over group C sts:
** Move each set of 2 sts inwards by 1 N. Return empty Ns to NWP. (2 empty Ns between each set of 2 sts).
K10 rows (RC shows 20).
Move each set of 2 sts inwards by 1N. Return empty Ns to NWP. (4 working Ns at centre on FB).
K4 rows (RC shows 24).
Cross 2 sts over 2 sts to make cable.
K6 rows (RC shows 30).
Move each set of 2 sts outwards by 1N. Return empty Ns to NWP. (2 empty Ns at centre on FB).
K10 rows. (RC shows 40).
Move each set of 2 sts outwards by 1 N. Return empty Ns to NWP. (Ns are now in original setting on FB) **.
Rep from ** to ** throughout.
K until RC shows 120.
Release on WY. Wash, dry and steam press. Take st and row counts.

**FRONT**
Handle up. Orange strippers. Push 134[142:150:158:166] Ns on FB and corresponding Ns on BB to WP. Arrange Ns for 1x1 rib. Locks at right.
Set locks on N/N, SS 3/3. Using MY, K1 row.
Set locks on CX/CX, K2 rows.
Set locks on N/N, K1 row.
Set RC at 000. Using SS 3½/3½, K40 rows.
Transfer sts to FB. Black strippers.
Set locks on GX/N, SS -/5¾,
K 100[110:120:130:130] rows.
**SHAPE ARMHOLES**
Cast off 4 sts at beg of next 4[4:4:4:6] rows.
Cast off 2 sts at beg of next 2[2:4:6:6] rows. K2 rows.
Dec 1 st at each end, K4 rows, 3[4:3:3:3] times.
108[114:120:124:124] sts.
K until RC shows 190[200:220:230:230].
**SHAPE SHOULDERS**
Set RC at 000. Cast off 4[4:5:5:5] sts at beg of next 8[4:14:12:12] rows.
Cast off 5[5:0:6:6] sts at beg of next 6[10:0:2:2] rows. RC shows 14.
46[48:50:52:52] sts.
**NECK EXTENSION**
Dec 1 st at each end, K4 rows, 5 times. RC shows 34. 36[38:40:42:42] sts.
**EDGING**
*** Arrange sts for 1x1 rib. Handle up. Orange strippers.
Set locks on N/N, SS 3½/3½,
K6 rows.
SS 5½/5½, K1 row. Cast off using latch tool method ***.

**BACK**
Work as given for front until RC shows 164[174:194:204:204]. Locks at right.
**DIVIDE FOR CENTRE OPENING**
Bring a pusher into upper working position for 54[57:60:62:62] sts at right of centre '0'.
Set locks on GX/BX or GX/LX and cont over sts at right.
Dec 1 st at centre edge, K2 rows, 3 times. 51[54:57:59:59] sts.
K until RC shows 190[200:220:230:230]. Locks at right.
**SHAPE SHOULDER**
Set RC at 000. Cast off 4[4:5:5:5] sts at right edge, K2 rows, 4[2:7:6:6] times.
Cast off 5[5:0:6:6] sts at right edge, K2 rows, 3[5:0:1:1] times.
RC shows 14. 20[21:22:23:23] sts.
**NECK EXTENSION**
Dec 1 st at right edge, K2 rows, 10 times. 10[11:12:13:13] sts. RC shows 34.
**EDGING**
Work as given for front from *** to ***.
Reset RC at 164[174:194:204:204]. Set locks on GX/N.
Complete rem side to correspond, reversing shapings.

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**SLEEVES**
**SIDE SECTION (KNIT FOUR)**
Push 15[15:17:17:17] Ns at left and right of centre '0' on FB to WP. 30[30:34:34:34] Ns.
Work a single bed cast on as given for tension swatch for cable panel. Locks at right.
Set RC at 000.
Set locks on GX / N , SS -/5¾.
Using MY, inc 1 st at left edge on every foll 4th row, 17[17:10:10:10] times.
Inc 1 st at left edge on every foll 6th row, 19[19:26:26:26] times.
66[66:70:70:70] sts.
K until RC shows 188[198:204: 214:214]. Locks at right.
**SHAPE TOP**
Set RC at 000. Bring a pusher into upper working position for every st. Set locks on GX / BX or GX / LX.
Return 3 pushers at left to HP, K1 row.
Return 1 pusher at left to HP, K1 row.
Rep these last 2 rows, twice more. (12 sts in HP).
Return 1 pusher at left to HP, K1 row, 8 times. (20 sts in HP). RC shows 14.
Return 4[4:5:5:5] pushers at left to HP, K1 row.
Return 1 pusher at left to HP, K1 row.
Rep these last 2 rows, 3[3:5:5:5] times more. (40[40:56:56:56] sts in HP). RC shows 22[22:26:26: 26].
Cast off all sts loosely.
Work a second piece to correspond and then work 2 more pieces, reversing all shapings to right edge.

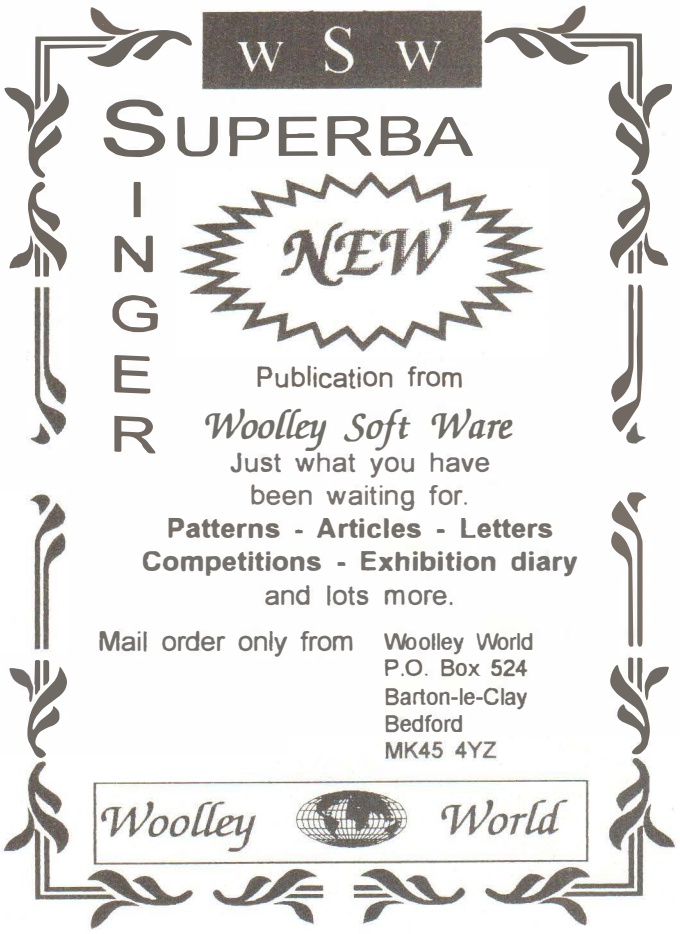
Before cont, block and press pieces. Allow to dry.

**CENTRE CABLE PANEL (KNIT TWO)**
Measure straight edge of side section of sleeve, along shoulder of front and neck extension to start of rib. Measure one rep of cable on tension piece. Using these measurements, calculate number of rows required for cable panel. (Approx 340[350:370: 390:390] rows.)
Work as given for tension swatch for cable panel, working required length before finishing with edging (1x1 rib) as given for front from *** to ***.

**BACK OPENING BAND**
Handle down. Orange strippers.
Push 68 Ns on FB and corresponding Ns on BB to WP.
Set locks on GX / GX , pick up MY and move locks to left.
Set locks on N / N , SS 2½/2½,
K1 row.
Set RC at 000. Set locks on CX / CX ,
SS 5/5, K2 rows.
Handle up. SS 5½/5½. Black strippers. K until RC shows 8.
Make buttonholes as folls:
On FB and counting from right edge, miss 2 sts, transfer the next st to 4th N in on BB. Transfer the 3rd st in from right edge on BB on to the 2nd N in from edge on FB.
Make 3 more buttonholes in this way with 5 sts in between each. Ensure empty Ns are returned to WP.
K until RC shows 18.
**ATTACH BAND**
With right side uppermost, lay back section over BB with edge of opening hanging just over BB Ns. Matching centre of opening to centre of band, and omitting 1 N at each edge, pull BB Ns through edge of opening.
Transfer FB sts to BB Ns.
Manually knit through each BB st making long loops. Carefully bring work over to FB. Cast off using latch tool method.

**CUFFS**
Join straight edges of side sleeve sections to centre cable panel for approx 10cm at lower edge. Press seams.
Handle up. Orange strippers.
Push 60[60:66:66:66] Ns on FB and corresponding Ns on BB to WP. Arrange Ns for 1x1 rib.
Set locks on N / N , SS 3/3. Using MY, K1 row.
Set locks on CX / CX , K2 rows.
Set locks on N / N , K1 row.
Set RC at 000. Using SS 3½/3½, K30 rows.
Transfer sts to BB. Lower FB. With wrong side facing, hang lower edge of sleeve evenly on to Ns. Raise FB. Black strippers.
Set locks on N / GX , SS 5/-, K1 row.
SS 7/-, K1 row. Cast off using latch tool method.

**TO MAKE UP**
Fold band at back opening so buttonhole section is on top of plain section on right side. Press fold. Stitch in place.
Attach shaped top edges of side sleeve sections to appropriate armhole edges.
Pin centre cable panel to garment along straight edge of sleeve, across shoulder and up neck extension. Join seams neatly. Press seams.
Join side and sleeve seams. Sew on buttons.
Wash garment. Block out to correct measurements and leave to dry.
Press on wrong side.

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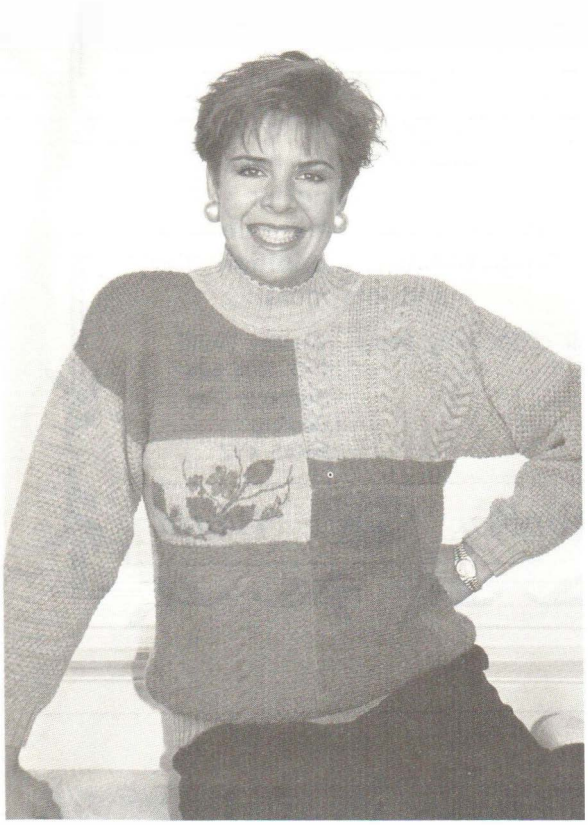

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# 15

## Lady's Classic Cabled Sweater

# Silver/Grey

ILLUSTRATED ON PAGE 77

***MACHINES**: These instructions are written for standard gauge machines with ribber*
***YARN**: Brockwell 4/14 Lambswool*
***FIBRE CONTENT**: 100% Wool*
***COLOUR**: We used Pearl 68 (MY)*
***STOCKISTS**: To obtain this yarn, please write to Brockwell Yarns, S & J Andrews (WY) Ltd, Stansfield Mill, Triangle, Sowerby Bridge, W. Yorks HX6 3LZ*

**SIZES**
To suit bust 81[86:91:96:101]cm.
Finished measurement 97[100:105:109:112]cm.
Length 61.5[62.5:66.5:68:71]cm.
Sleeve seam 40.5[44:44:46:46]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Brockwell 4/14 Lambswool.
500[500:500:600:600]g in MY.

**GARMENT WEIGHS**
425g for size 91cm.

**MAIN TENSION**
Wash, dry and steam press tension swatch before measuring.
26 sts and 35 rows to 10cm measured over st st (tension dial approx 9•).
Tension must be matched exactly before starting garment.

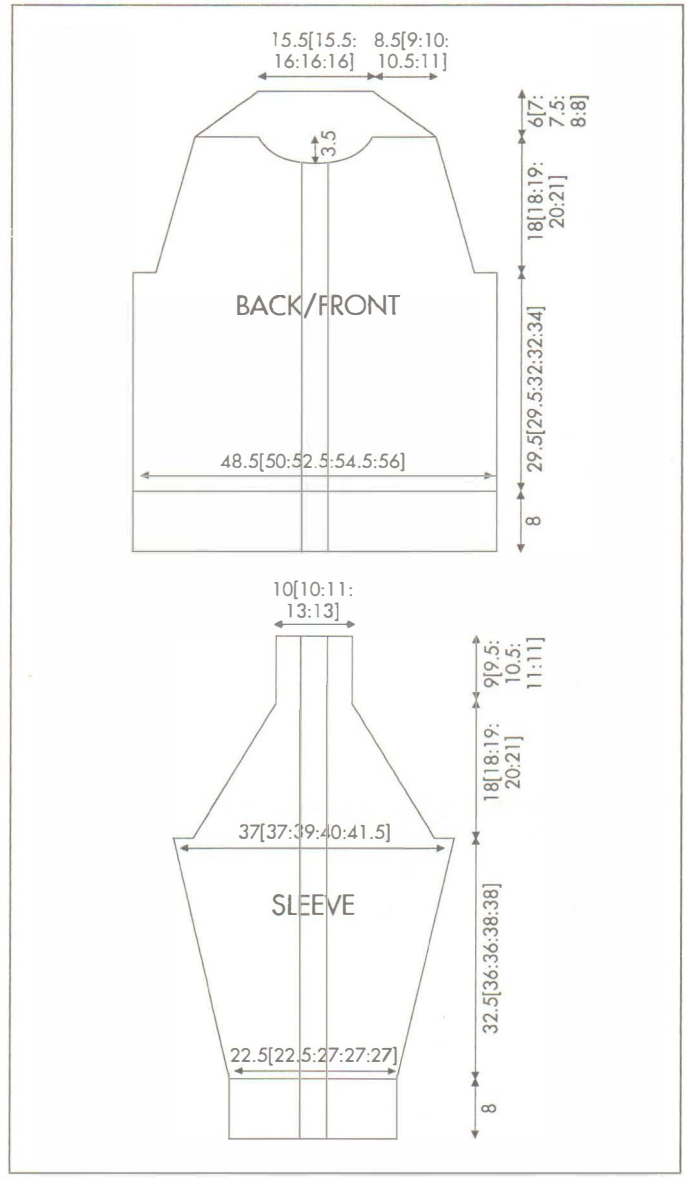
**ABBREVIATIONS**
See page 113.

**NOTE**
Inc and dec using fully fashioned method.

Knit side is used as right side.
Measurements given are those of finished garment and should not be used to measure work on the machine.

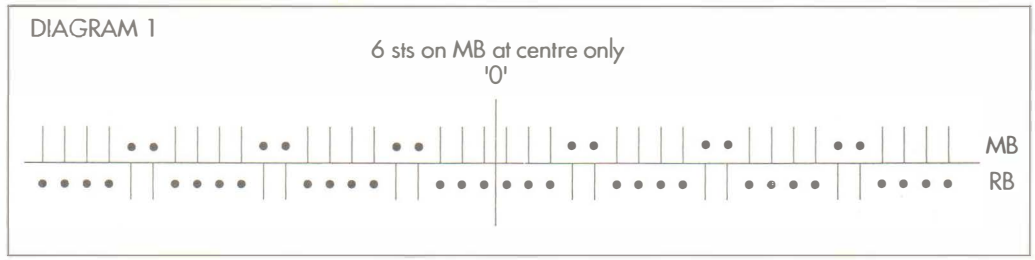
**CABLED RIB**
Arrange sts as shown in Diagram 1.
Work cable over groups of 4 sts on MB when RC shows 4 and then on every foll 6th row. Cross 2 sts at right in front of 2 sts at left.
*At the same time*, when RC shows 4, work cable over group of 6 sts at centre on MB on next and every foll 10th row. Cross 3 sts at right in front of 3 sts at left.
To make twist of cable sts easier, on row preceding cable cross over, set pitch lever to H. Bring an additional N opposite cable on RB to WP. K1 row. Release the loop from extra RB N and return N to NWP. Return pitch lever to P. Pull extra yarn in to cable sts.

**CENTRE CABLE PANEL**
Worked on front and sleeves only.
Cont in cable sequence over the 6 centre MB sts. Cross 3 sts at right in front of 3 sts at left every 10 rows as set. When section is complete, ladder down 2 sts at each side of cable and latch up to form purl sts on right side.




**BACK**
* With RB in position, set machine for FNR. Push 65[65:65:71:71] Ns at left and right of centre '0' on MB to WP. 130[130:130:142:142] Ns. Push corresponding Ns on RB to WP.
** Using MY, cast on and K2 tubular rows. Using MT-6/MT-6, K1 row.
Pitch lever to 'P'.
Arrange sts for cabled rib as shown in Diagram 1.
Set RC at 000. Using MT-5/MT-5, K4 rows.
Cable all groups of MB sts and cont in cable rib sequence as given **.
K until RC shows 36.
Transfer sts to MB. Dec

DIAGRAM 1



2[0:0:0:0] sts at each end.
Inc 0[0:3:0:2] sts at each end. 126[130:136:142:146] sts *.
Set RC at 000.
Using MT, K 104[104:112:112:120] rows.

**SHAPE ARMHOLES**

Set RC at 000. Cast off 7 sts at beg of next 2 rows.
Dec 2 sts at each end of every foll 8th row, 7[7:7:8:8] times. 84[88:94:96:100] sts.
K until RC shows 62[62:66:70:74].
Place a marker at each end.
Dec 1 st at each end, K1 row, 22[24:26:27:29] times. 40[40:42:42:42] sts.
RC shows 84[86:92:97:103].
Using WY, K a few rows and release from machine.

**FRONT**

Work as given for back from * to *. Set RC at 000. Using MT, work centre cable panel as given.
K 104[104:112:112:120] rows.

**SHAPE ARMHOLES**

Set RC at 000. Cast off 7 sts at beg of next 2 rows.
Dec 2 sts at each end of every foll 8th row, 7[7:7:8:8] times. *At the same time*, when RC shows 48[48:52:56:60], CAR.

**SHAPE NECK**

Set carriage to hold. Push all Ns at left and 8[8:8:9:9] Ns at right of centre '0' to HP. Cont on rem sts at right keeping armhole shaping correct as set. K2 rows.
Push 2 Ns at neck edge to HP, K2 rows, 6 times. RC shows 62[62:66:70:74].
Cast off rem 22[24:26:27:29] sts.
Leaving all Ns at right and 8[8:8:9:9] Ns at left of centre '0' in HP, return rem Ns at left to UWP. Reset RC at 48[48:52:56:60]. Complete to correspond with first side, reversing shapings.
Cancel hold. Cont over rem 40[40:42:42:42] neck sts. Ladder down 2 sts at each side of cable and latch up to form purl sts on right side of work.

**SIZE 91cm ONLY**

Inc 2 sts at each end. 46 sts.

**ALL SIZES**

Using WY, K a few rows and release from machine.

**SLEEVES**

With RB in position, set machine for FNR. Push 29[29:35:35:35] Ns at left and right of centre '0' on MB to WP. 58[58:70:70:70] Ns. Push corresponding Ns on RB to WP. Work as given for back from ** to **.
K until RC shows 36.
Transfer sts to MB.
Set RC at 000. Using MT, work centre cable panel as given.
Shape sides by inc 1 st at each end of every foll 5th[5th:6th:6th:6th] row, 19[19:16:17:19] times. 96[96:102:104:108] sts.
K until RC shows 114[126:126:134:134].

**SHAPE TOP**

Set RC at 000. Cast off 7 sts at beg of next 2 rows.
K 4[4:4:8:8] rows.
Dec 2 sts at each end, K4 rows, 14[14:15:14:15] times. 26[26:28:34:34] sts. K until RC shows 62[62:66:70:74]. Place a marker at each end.
K until RC shows 94[96:102:108:112].
Ladder down 2 sts at each side of cable and latch up to form purl sts on right side.
Using WY, K a few rows and release from machine.

**NECKBAND**

Join 2 front and right back saddle/armhole seams matching markers.
Push 128[128:144:152:152] Ns on MB to WP. With wrong side facing, and using the 3 6 st cables as guide (i.e. centre front and centre of each saddle), rehang neck sts on to Ns, arranging for cable rib and therefore inc or dec at shoulder seams as required to keep patt sequence correct. (It will be easier if you push the Ns holding RB sts to HP, thus allowing you to see patt sequence).
Bring RB into WP. Transfer RB sts to RB. Return empty MB Ns to NWP. Hang comb and weights.
Set RC at 000. Keep sequence of 6 st cables correct. Using MT-4/MT-4, K2 rows. Cable the groups of 4 MB sts. Now cont in cable rib sequence until RC shows 28. *At the same time*, reduce tension by one dot every 4 rows until MT-5/MT-5 is achieved.
RC shows 28. Transfer sts to MB. Push corresponding Ns on RB to WP. Pitch setting to H. Using MT/MT-8, K1 row. Release loops from RB Ns. Pull extra yarn into MB sts. Cast off using latch tool method.

**TO MAKE UP**

Join rem shoulder and neckband seam.
Join side and sleeve seams.
Wash garment in Sansolaine to remove oil.
Block out to correct size and shape.
Leave to dry.
Press on wrong side avoiding cables sections.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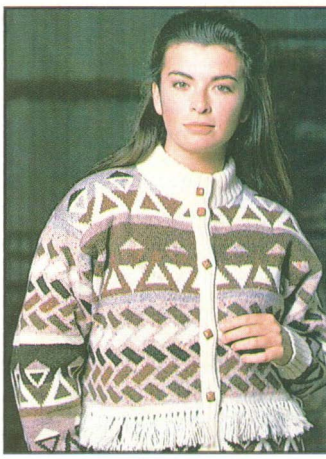
VISA

# 15 Lady's Classic Cabled Sweater

For instructions see page 75

# MACHINE KNIT TODAY

Lots of goodies for winter knitting or learning new skills in this month's *Machine Knit Today*. Texture is such a strong fashion statement for knitwear this year that it will be hard to ignore. That was the excuse to cover bobble making in 'Step by Step' (at least photographs don't get the giggles, this is a difficult lesson to phrase just right as a live demonstration!). Just in case you weren't sure how to make the best of them, we combined an interesting cable and bobble pattern with a Marion Nelson card design to come up with a delightful child's sweater in 'Adapt-a-Pattern'. The texture story is continued with a special jacket for Passap/Pfaff machines; a chunky sweater trimmed with Intarsia garter ridge diamonds (worked manually) and a chunky tunic with a quick slip stitch trim. Amongst the don't miss techniques and ideas on offer are:



**DOUBLE BED EDGINGS:** Wonderful ripples and waves on built-in edges for Passap/Pfaff machines.

**FREE STITCH LIBRARY:** Inspirations from Celtic art provide a range of original patterns from traditional knots through to surrealistic and 'pop art' mythical beasts. The variety of stitch styles and repeats means there is something to suit any make or model of machine.

**MASTER CLASS:** Betty Abbott presents more simple and innovative neckline finishes and collars, with ideas for all skill levels in a variety of stitch styles.

**SPECIAL OCCASIONS:** A personal touch means a lot, and Betty Barnden has some great ideas for personalised cards for all occasions and provides a 'knittable' alphabet for your greetings.

**THE MACHINE KNITTER'S COMPUTER:** Starts off a new series to help us get the best from our technology. Susan Lazear shared her teaching notes with us, with some good tips on getting a picture from a printed page on to the computer, simply and without fancy equipment.

**MACHINE WORKS:** Peter Free has some handy tips for ensuring your ribber fitting goes smoothly.

**BOOKS, BYTES AND STITCHES:** Val Slater must have had her feet up reading all over Christmas judging from her in-depth reviews of the best in books, pattern designs and software. This month she looks at guides for fashion illustration, new designer patterns, modular software, new books for Passap/Pfaff knitters and disc designs (amongst other things!).

## THE JANUARY ISSUE ON SALE 9th DECEMBER

**There's plenty for everyone this month, 'Simply Silver' offers further guidance from Maggie Dyke on using the potential of the PE 1 controller. Wendy Damon adds some extra colours in 'Discovering Double Jacquard'. Joyce Schneider moves on to shaping tips for garter carriage users. 'The Designer Look' concludes felting techniques with a further range of Ruth Lee's desirable fabrics and some test washing results! Then there's 'Mascot Toys', 'Falkberry Stitch', our easy to enter competition — and lots more — check it out for yourself.**

## Don't miss the January issue of *Machine Knit Today*....

# ON SALE 9th DECEMBER

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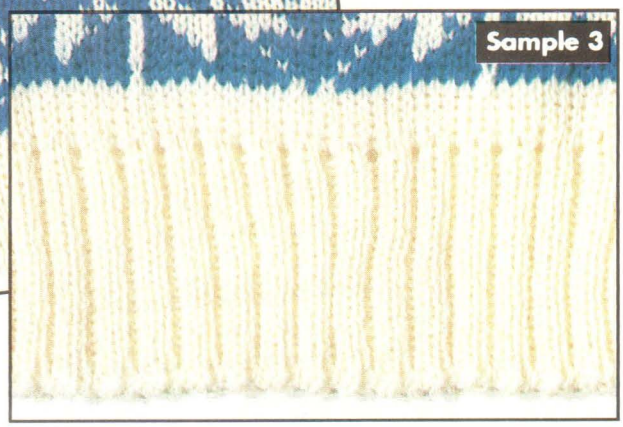
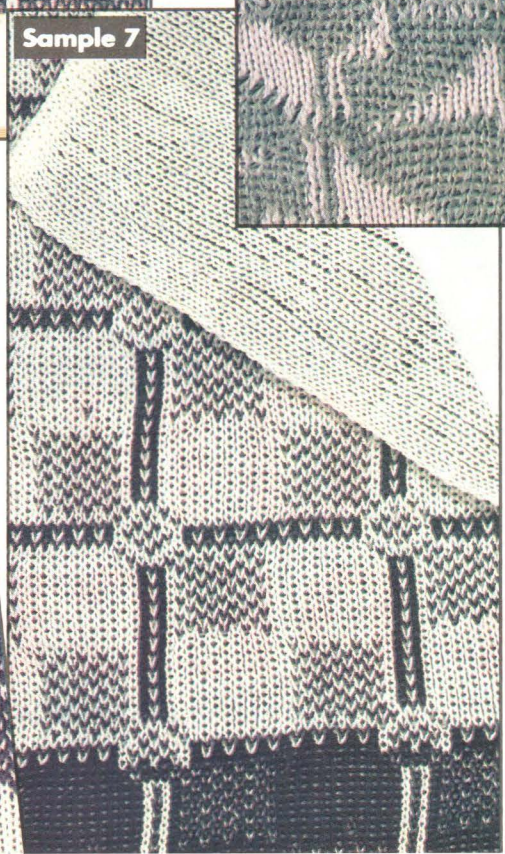
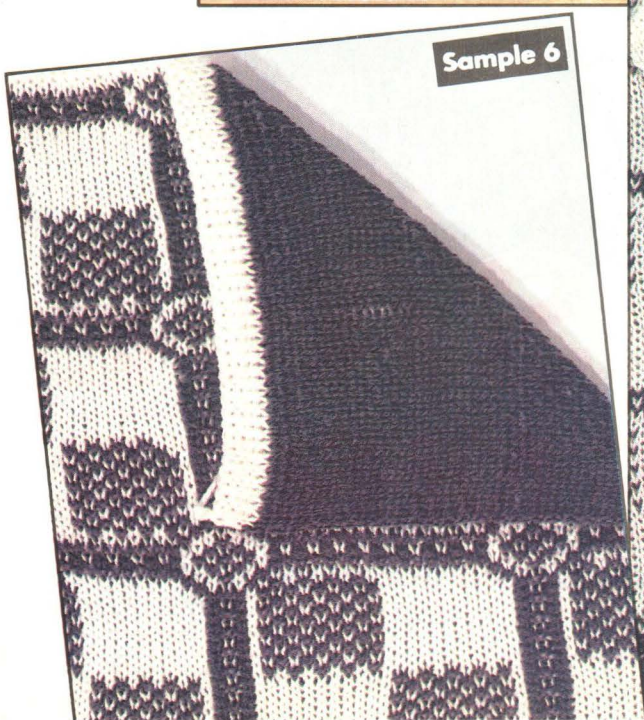





Admittedly the pattern books are not overflowing with Simulknit designs — although there are some about, but you could use your Knit-Tracer, or adapt another design where the tensions are very close (the Marion Nelson cards with their wide range of styles and tensions are very useful for adaptation). This month we will look at sweater weight fabrics, but first a very quick review about the Simulknit operations.

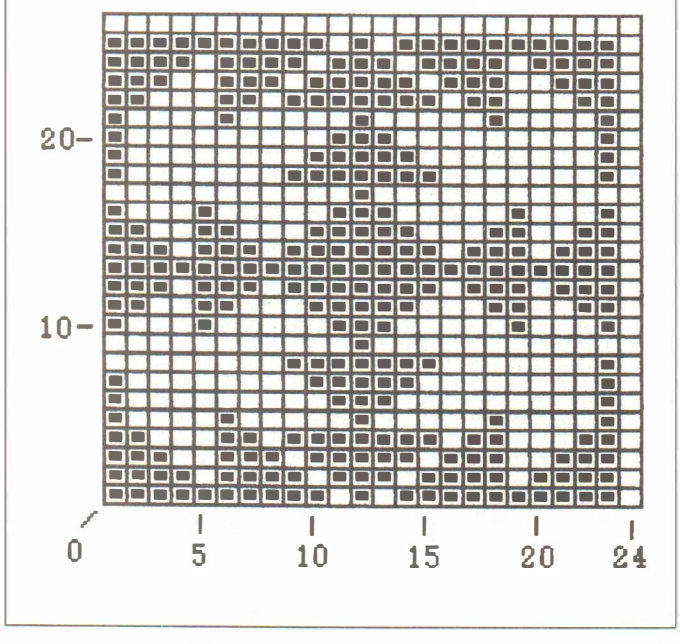
# The Thick and Thin of Simulknit

*If you have a Toyota machine with a ribber and do not use the Simulknit facility, then you are missing out on one of the great Toyota specialities!*

**BASIC SIMULKNITTING**

This month's examples have all been worked in full needle rib. Cast on and work the welt and then, if required, arrange needles for full needle rib. Carriage at right, set ribber for Simulknit (levers on 'S'). Knit one row. You will notice that all the ribber bed needles have been raised to upper working position. Insert the punchcard (any ordinary Fair Isle design will do, cards do not need any special punching in order to knit Simulknit). Set carriage to select for pattern and knit one row. Release the card. Set main bed carriage for 'C' (as for Fair Isle knitting) and push the 'S' lever into position. You can now feed the contrast colour into the Simulknit feeder (I find the mini 'fork' the easiest tool for this, check the manual, the feeding is well illustrated). Now simply knit. A two-colour Fair Isle design will knit on the right side and a plain backing (in the contrast colour) will show on the wrong side. Thus you can knit Fair Isle designs without any floats showing.

PATTERN 1




**SPECIAL NOTES**

The manual suggests that you start and end the needle arrangement with needles in work on the ribber bed. This is not essential to make the setting work, but does increase the neatness of the edges. The manual also suggests that end needles on the main bed should be selected forward on each row. On some busy patterns, this doesn't seem to have any effect one way or the other. For designs with larger contrast areas (as our examples), the edges will knit much more neatly if these end needles are selected. Using a Toyota 950, I used the automatic end needle selection, but if you are using a model which does not have this, push end needles forward manually on every row — especially if you have any problems keeping the edges neat.

**FINE WORK**

Full needle work does not have to be thick, stiff and heavy. Sample 1 was worked from pattern 1 using 2/16s wool for both main and contrast. Tension settings were approximately 2/3. The face stitches are slightly open, they close up a little after steaming. A different type of yarn — a Botany wool or synthetic, for instance, of the same thickness but a different body, may close up even more, or simply relax a little more to fill up the face — it is worth experimenting. The fabric handles like a fluid 4 ply Fair Isle. Using the favoured formula of only counting needles on the main bed, we achieved a tension of 30 stitches and 42 rows to 10cm — this is very similar to many 3 ply tensions, so you could well find a 3 ply basic design that requires very little amendment to work as a Simulknit garment!

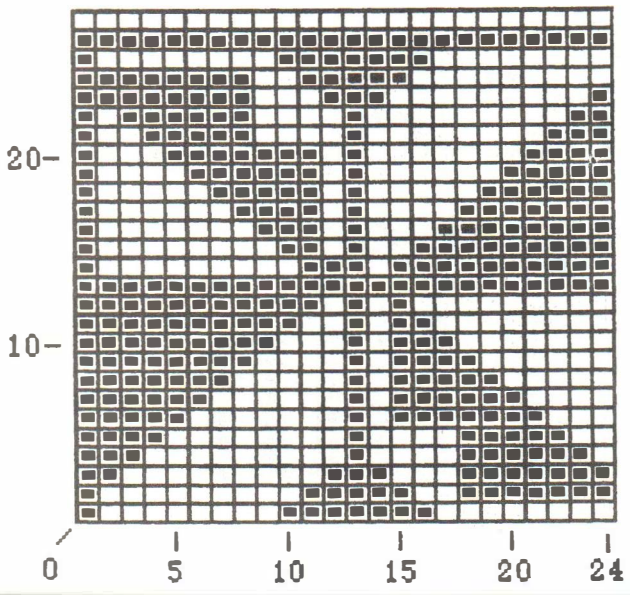
**STRANDING UP**

Two ends of 2/30s acrylic were used for both main and contrast yarns for Sample 2. Working to the same pattern as Sample 1, using a setting of approximately 3/4, I achieved 28 stitches and 42 rows to 10cm — close to a fine 4 ply tension. The handle is still fluid and similar to a full bodied 4 ply Fair Isle. The face coverage is good, the acrylic relaxes to fill any gaps. The lower edge, however, where work commenced with a full needle rib, is slightly wider than the main fabric. This is not a situation that is often required. One option is to tighten the tension for the full needle rib rows — but there are others.

**GOOD STARTS**

If you want a rib start, then consider a 2 x 1 rib (the one

PATTERN 2




on the 'H' setting). As you can see from Sample 3 this pulls in a little against the later full needle rib arrangement, but not as much as a 1x1 rib, which can pull the work tight. Another option is to use a circular hem for a smooth start — as shown in Sample 4. This sample was worked in Bramwell's DuoMagic at a tension of 3/4. The machine knitted this very easily and there is good pattern coverage. I achieved 28 stitches and 38 rows to 10cm after a light steaming — close to a 4 ply tension in single bed work. The circular hem gives a flat no cling edging, most acceptable for a tunic, skirt or jacket. Two rows of full needle rib were worked before the Simulknit knitting was commenced.

**UNBALANCED THREADS**

Block patterns are a viable proposition in Simulknit, as there are no floats to worry about. This windmill design (Sample 5) has fairly large solid areas in both main and contrasting colours. The use of 2/16s as the main yarn and a slightly finer (unknown count) wool as a contrast created a slightly unbalanced fabric. However, the feel is lovely and soft and its accumulative thickness is like a 4 ply stocking stitch. The sample has not been washed, and as the second yarn is something of an unknown quantity, it is possible that gentle washing would cause the contrast to fill out the gaps a little. After steaming, I now find it quite attractive, although it did not look so promising on removal from the machine! Worked on setting 2/3 I achieved a close 3 ply tension of 29 stitches and 44 rows to 10cm (try the Marion Nelson cards for 3 ply yarns for pattern instructions). Unbalanced threads can create lots of dramatic effects in Simulknit and we will return to them later in the series.

**HOLE/KNIT RELATIONSHIPS**

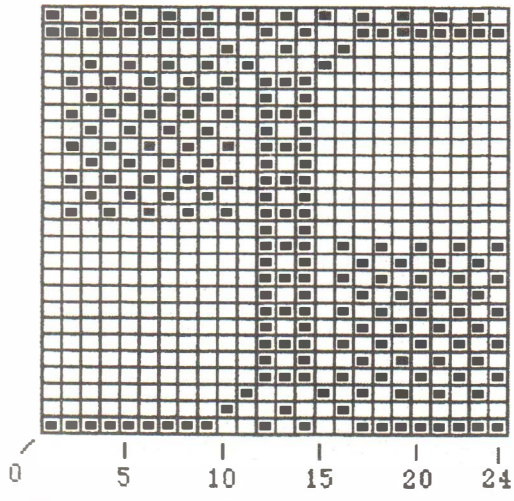
In Simulknit (on the 950, reverse the comments for 901 machines), punched holes on the card knit the contrast colour. The contrast colour is also knitted on every needle of the ribber bed — giving the plain backing. Where there are large blocks of main colour on the card, feel the Simulknit fabric — it is separate from the ribber bed fabric. Where there are holes on the card, the contrast knits both on the main and the ribber bed — a double bed fabric as we know it. We can use the card relationship to our advantage in several ways. Sample 6 is worked from pattern 3. Cream is the main colour (in the main feeder throughout). The main bed and ribber fabric are linked together where there are vertical lines and bird's-eye checks. The charcoal (contrast) knits as a plain backing throughout.

**REVERSING THE LINING**

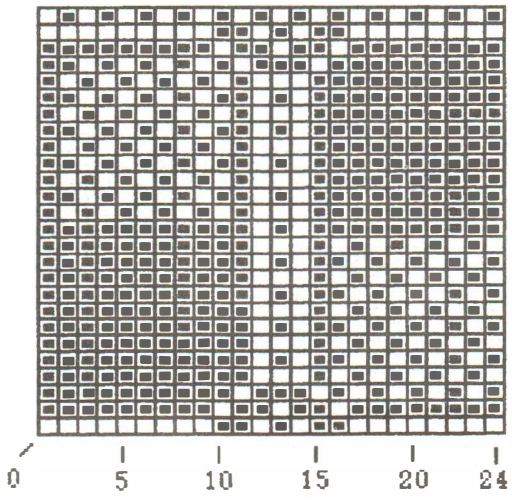
Say you liked the design of pattern 3, but wanted the backing the same colour as the main yarn. Reverse punch the card (see pattern 3 — negative). Leaving the colours in the same feeders as before, the colour pattern is reversed as shown at the lower section of Sample 7. So, once you have selected ready for Simulknit, reverse the colours in the feeders, i.e. main colour goes into the 'S' feeder and contrast into the main feeder. The resultant design then reverts to charcoal on cream, with a cream lining (i.e. we have achieved the reversal of the backing colour). There is, however, a side effect. All the 'plain' blocks are now punched, so are being worked in full needle rib (yarn knitting on both beds). The vertical lines and bird's-eye checks are knitting pretty well the same as before, as they are a close mixture. Although the design was worked on the same tensions and number of needles as the first example (Sample 6), the nature of the fabric has been changed. It is wider, the stitches appear slightly larger and the dark contrast shadows through the plain areas more, so that the cream is not quite as pristinely coloured as before. The colour effect is not too worrying, as it is only likely to affect the more extreme colour opposites, use softer closer toned colours and the effect would be to make the design more subtle. The fabric change is much more interesting, as it makes the potential for a wider fabric over the same number of stitches — something which could be extremely useful when knitting larger garments.

I hope this consideration of lightweight Simulknit fabrics and the tensions that you can achieve will inspire you to test some yarns that you have on hand. Compare your tensions with your range of patterns and you could find that you have more garment designs that can be used for Simulknit than you thought you did! We will take a closer look at styles and garment knitting next month.

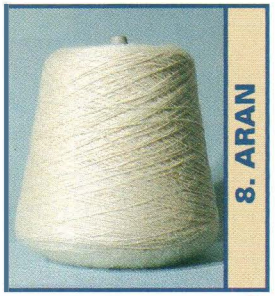
PATTERN 3



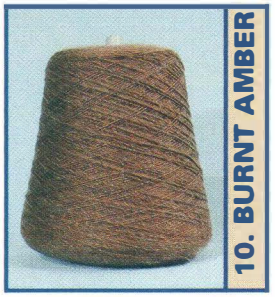

Negative



1. GUN METAL


8. ARAN

9. PLUM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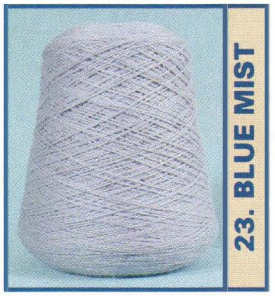
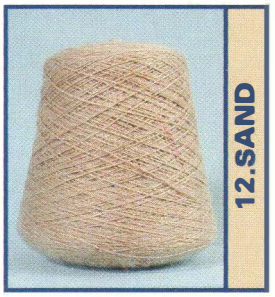
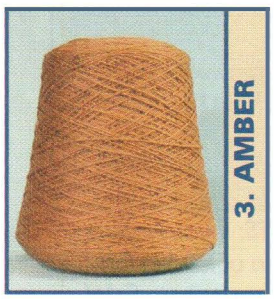
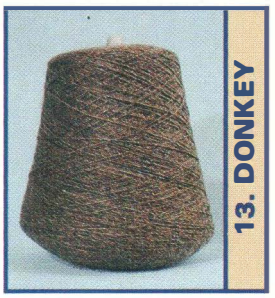

23. BLUE MIST


12.SAND


3. AMBER

22. SOFT GREEN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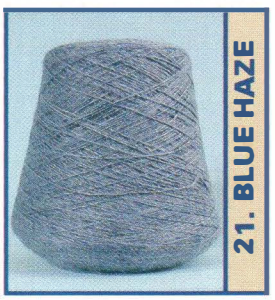
4. BARK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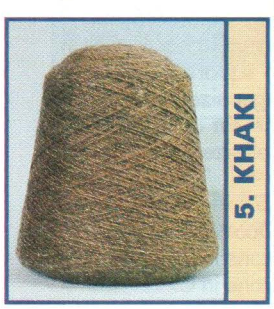
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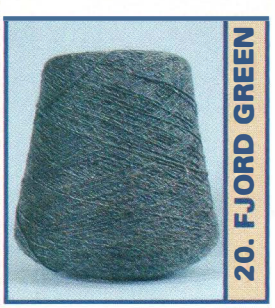
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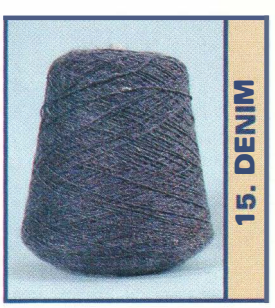
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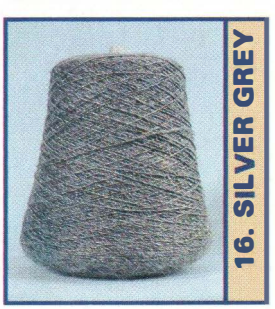
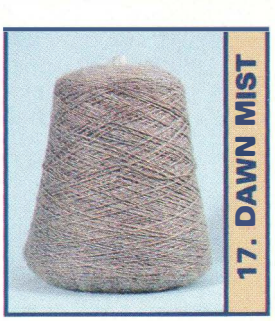

16. SILVER GREY

7. PACIFIC

18. TOBACCO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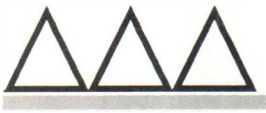
# 16

## Lady's Twisted Rib Jacket



***MACHINES:*** *These instructions are written for standard gauge punchcard or electronic machines with ribber and colour changer (optional)*
***YARN:*** *Bramwell Duo Magic*
***FIBRE CONTENT:*** *100% Acrylic*
***COLOUR:*** *We used Black (MC) and Calgary Grey (C)*
***STOCKISTS:*** *If you have any difficulty in obtaining this yarn, please write to F. W. Bramwell & Co Ltd, Unit 5, Lane Side, Metcalf Drive, Altham, Accrington, Lancs BB5 5TU*

**SIZES**
To suit bust 86[91-96:96-101:101-106]cm.
Finished measurement 94[103.5:112.5:122]cm.
Length 63[63:66.5:66.5]cm.
Sleeve seam 49[49.5:51:53]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Bramwell Duo Magic.
1 x 500g cone in MC.
1 x 500g cone in C.
9 buttons.

**GARMENT WEIGHS**
419g for size 91-96cm.

**MAIN TENSION**
Allow swatch to relax for at least 24 hours before measuring.
29 sts and 60 rows to 10cm measured over patt (tension dial approx 4 on MB/3 on RB).
Tension must be matched exactly before starting garment.

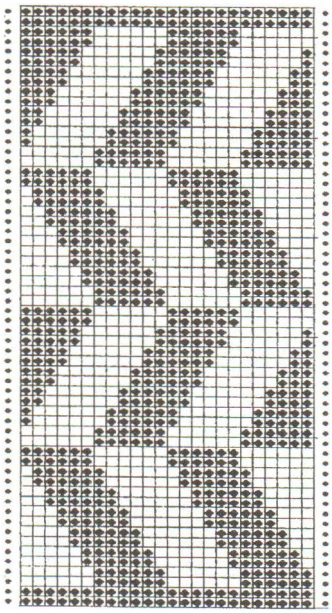
**ABBREVIATIONS**
See page 113.

**NOTE**
Close knit bar must be in place and work well weighted throughout.

# Granite

The colour order must be followed as given to ensure colour sequence continues around garment. The first row of patt should start with CAL to operate colour changer.
All st counts refer to MB only. Inc, dec, cast on or off corresponding RB sts as required.
Measurements given are those of finished garment and should not be used to measure work on the machine.

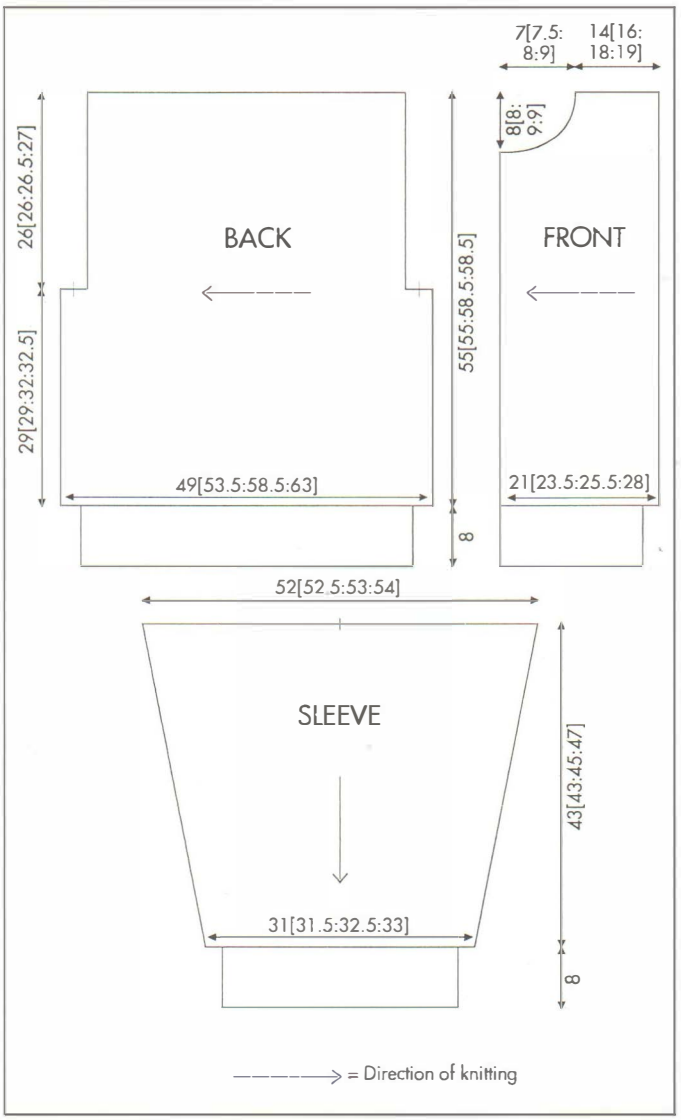
**PUNCHCARD PATTERN**
Punch card before starting to knit.



**ELECTRONIC PATTERN**
Fill in mylar sheet before starting to knit. Note centre '0' position.

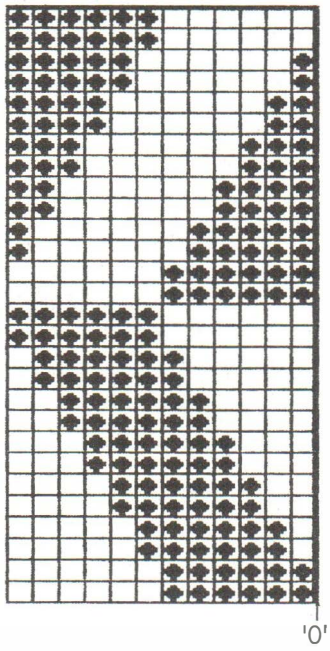
**COLOUR SEQUENCE**
K14 rows with cast on colour and then 14 rows of contrast colour.
Rep these 28 rows throughout.

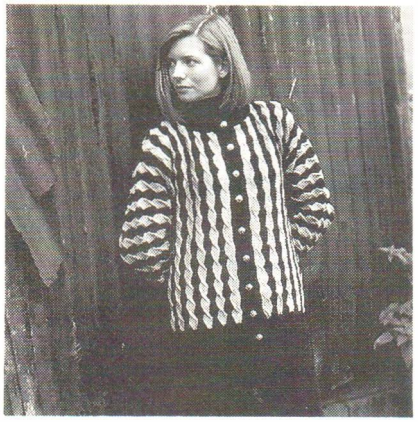
**BACK**
**(KNITTED SIDEWAYS)**
With RB in position, set machine for FNR. Push 80[80:85:85] Ns at left and 6[5:9:8] Ns at right of centre '0' on MB to WP. 86[85:94:93] Ns. Push corresponding Ns on RB to WP. CAR.
Using MC[C:MC:C], cast on and K2 tubular rows.
Using MT/MT-1, K3 rows. CAR.
Insert punchcard and lock on first row or insert mylar sheet and program for patt commencing on first row. K1 row to select. CAL. Release punchcard.
Set RC at 000. Set carriage for slip st knitting. Foll colour sequence given, work in patt. K7 rows.
Place a marker at right edge. K7 rows.
Lock punchcard or mylar sheet. Disconnect RC. Cancel patt setting on carriage. Set carriages to hold. Push all Ns holding sts to HP on both beds. Push 74[75:76:77] Ns at right to WP on both beds. Using appropriate colour for next band of patt, work a tubular cast on as before over these Ns. Rehang comb and weights as necessary.
Using MT/MT-1, K2 rows.
Manually return Ns from HP to WP on both beds.
160[160:170:170] sts on each bed.
Set both carriages for free move. Ending with CAL, make a free move to select next row of patt.
Reconnect RC. Release punchcard or mylar sheet. Set carriages for patt. Keeping colour sequence correct, work in patt.
K until RC shows 280[308:336:364].
Using a separate length of appropriate yarn, cast off 74[75:76:77] sts at right. Transfer RB sts to MB before casting off. 86[85:94:93] sts. K7 rows.
Place a marker at right edge. K7 rows.
RC shows 294[322:350:378]. Transfer sts to MB. Cast off loosely.




**FRONT**
**KNIT TWO**
**(KNITTED SIDEWAYS)**
With RB in position, set machine for FNR. Push 80[80:85:85]-0-80[80:85:85] Ns on MB to WP. 160[160:170:170] Ns. Push corresponding Ns on RB to WP. CAR. Using C[MC:C:MC], cast on and K2 tubular rows. CAL.
Using MT/MT-1, K3 rows.
Insert punchcard and lock on first row or insert mylar sheet and program for patt commencing on first row. Set machine for patt.
K1 row.
CAL. Release punchcard. Set carriage to slip st knitting.
Set RC at 000. Cont in patt and colour sequence.

ELECTRONIC PATTERN





K until RC shows 85[97:109:115]. CAR.

**SHAPE NECK**

Cast off 5[5:6:6] sts at right, K2 rows.
Cast off 4 sts at right, K2 rows.
Cast off 2 sts at right, K2 rows, 4 times.
Dec 1 st at right, K2 rows, 6[6:8:8] times.
137[137:144:144] sts.
K until RC shows 126[140:154:168].
Transfer sts to MB. K1 row.
Using WY, K a few rows and release from machine.
Work second front, reversing shapings.

**SLEEVES (KNITTED DOWNWARDS)**

With RB in position, set machine for FNR. Push 150[152:154:156] Ns on MB and corresponding Ns on RB to WP. CAR.
Using MC[C:MC:C], cast on and K2 tubular rows. CAL. Mark centre st.
Using MT/MT-1, K3 rows.
Insert punchcard and lock on first row or insert mylar sheet and program for patt commencing on first row. Set machine for patt. K1 row. CAL. Release punchcard. Set carriage to slip st knitting.
Set RC at 000. Cont in pott and colour sequence.
K until RC shows 16.
Dec 2 sts at each end of next and every foll 16th row, 15 times in all. 90[92:94:96] sts.
K until RC shows 258[258:270:282].
Transfer sts to MB. K1 row.
Using WY, K a few rows and release from machine.

**CUFFS**

With RB in position, set machine for FNR. Push 70 Ns on MB and corresponding Ns on RB to WP. CAR.
* Using MC, cast on and K2 tubular rows. Using MT-2/MT-2, K1 row. CAR.
Set RC at 000. Set MB carriage to slip. K4 rows on RB only.
Set MB carriage to knit.
K2 rows over all sts.
Rep these 6 rows throughout *.
K until RC shows 42.
Transfer sts to MB.
With wrong side facing, hang lower edge of sleeve on to Ns, dec 20[22:24:26] sts evenly as you go. K1 row. Cast off.

**BACK WELT**

With RB in position, set machine for FNR. Push 124[132:140:148] Ns on MB and corresponding Ns on RB to WP. CAR.
Work as given for cuffs from * to *.
K until RC shows 54.
Transfer sts to MB.
With wrong side facing, hang lower edge of back evenly on to Ns. K1 row. Cast off.

**FRONT WELT (KNIT TWO)**

With RB in position, set machine for FNR. Push 54[60:66:72] Ns on MB and corresponding Ns on RB to WP. CAR.
Work as given for back welt attaching to lower edge of front.

**NECKBAND**

Join shoulder seams.
With RB in position, set machine for FNR. Push 90[92:94:96] Ns on MB and corresponding Ns on RB to WP. CAR.
Work as given for cuffs from * to *.
K until RC shows 24.
Transfer sts to MB.
With wrong side facing and easing to fit, hang neck edge evenly on to Ns. K1 row.
Cast off.

**BUTTON BAND**

With RB in position, set machine for FNR. Push 154[154:160:160] Ns on MB and corresponding Ns on RB to WP. CAR.
Work as given for cuffs from * to *.
K until RC shows 48.
With wrong side facing, hang left front edge evenly on to Ns. K1 row. Cast off.

**BUTONHOLE BAND**

Work as given for button band making 9 evenly spaced buttonholes when RC shows 24. Attach to rem right front edge.

**TO MAKE UP**

Gently steam bands. Do not allow iron to touch fabric.
Join side seams.
Sew in sleeves matching centre marker to shoulder seam and joining sides of sleeves evenly either side of underarm marker.
Join sleeve seam.
Sew on buttons.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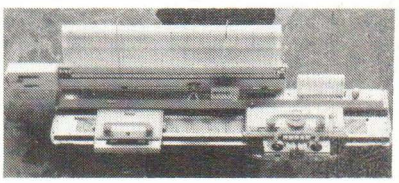

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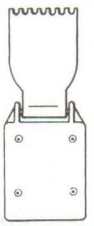

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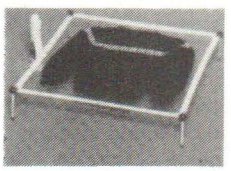

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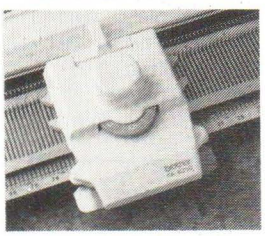

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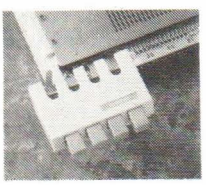

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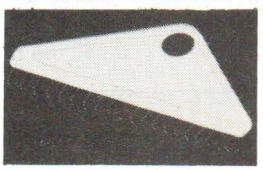

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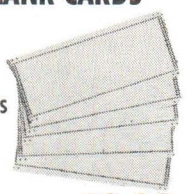

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NEW SERIES

# YOU AND YOUR BROTHER

*In her first article, Janet Cooke — Technical Advisor at Brother uses a basic punchcard to create several pattern ideas*

When you first buy a punchcard machine, the instruction manual tells you which card to use for each type of stitch. But remember this is only a guide, you can have a lot of fun experimenting with your basic punchcard set.

Look at punchcard number 2, a very popular card. In your manual this is shown as straightforward tuck, slip or weaving, but why not try it as Fair Isle and elongate it (Sample 1)?

Some interesting effects can be obtained through careful choice of yarn for weaving. Sample 2 uses a chenille yarn whilst Sample 3 uses a fancy yarn. Both samples were elongated for a more pronounced effect.

Many of you will, no doubt, have forgotten at some time to release your card before starting to knit in pattern and got a wonderful selection of stripes depending on the punchcard you were using. Why not make this a feature?

In Fair Isle, you will have a pattern of vertical stripes (Sample 4). Extra care needs to be taken when using tuck stitch as the machine cannot collect tuck loops indefinitely. Sample 5 tucks for 4 rows, then knits plain for 2 rows. (Leave the change knob set to KC, use the plain switch to knit 2 rows, then push the tuck buttons in again). Try different combinations of this sequence for interesting effects.

Using this method for slip stitch, we can slip for approximately 10 rows before knitting plain rows (Sample 6). This will give us a variation of the very popular 'tea-cosy' stitch which is normally knitted with card 1.

You can, very easily, get carried away when you start to experiment with your punchcards. A good example of this is Sample 7, when I really started to play as I very often do, with the card rotating normally, I knitted 4 rows of Fair Isle then turned the card back 2 rows and repeated this sequence throughout.

I think you will agree that some very interesting patterns can result from this technique. I hope these samples will encourage you to take another look at the basic set of punchcards supplied with your machine.

Do please experiment with different yarns and expand on


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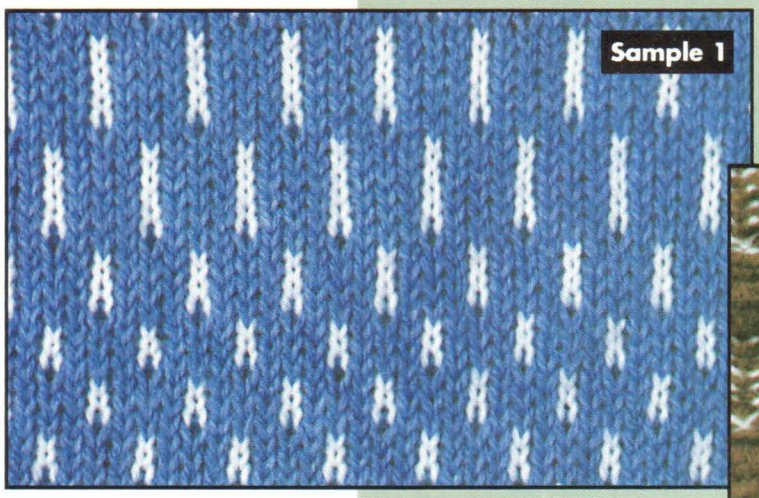
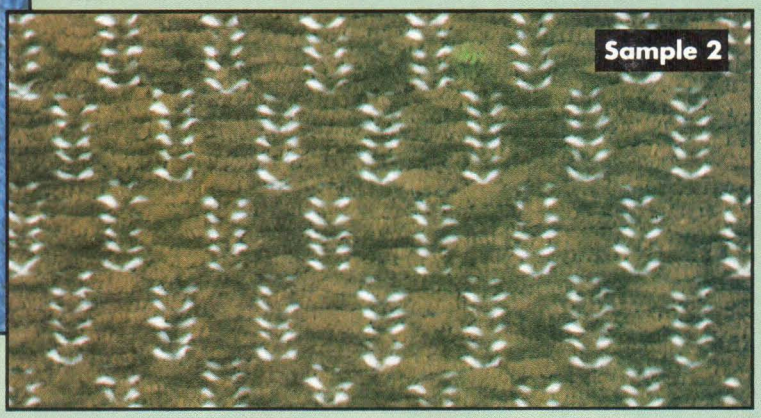
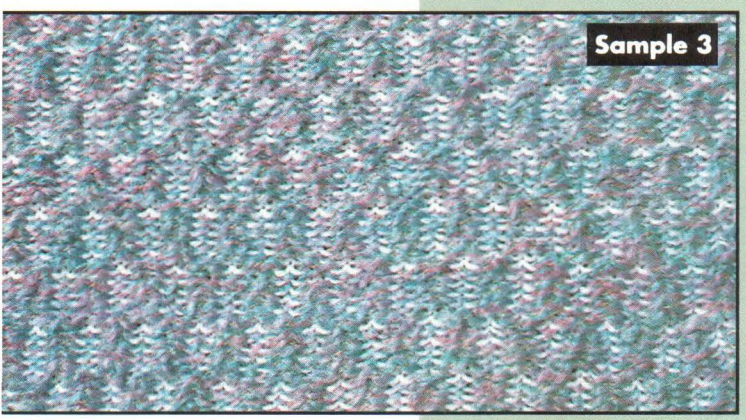
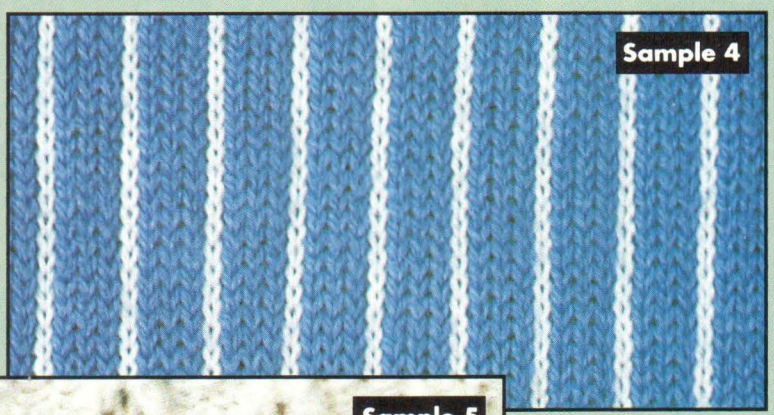
# Punchcard Variations

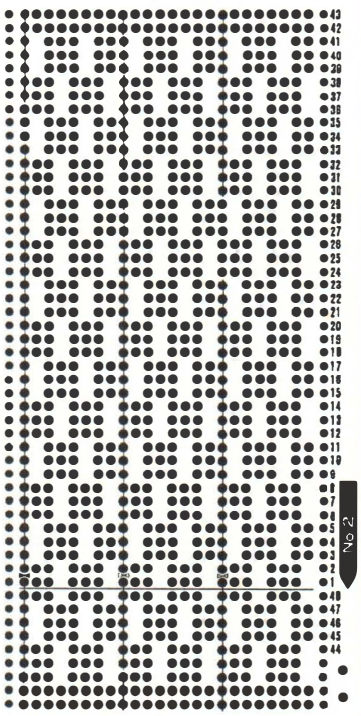


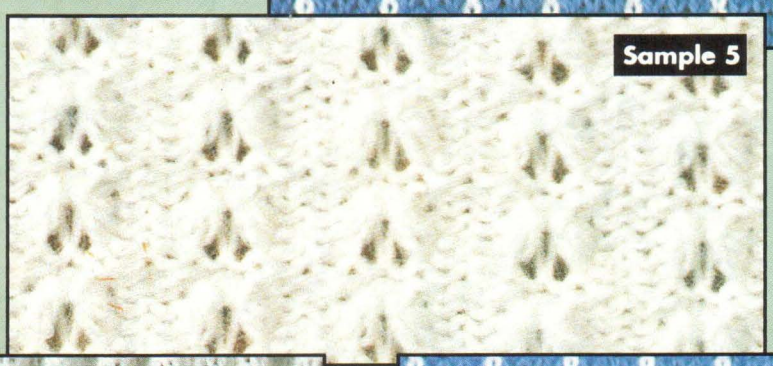



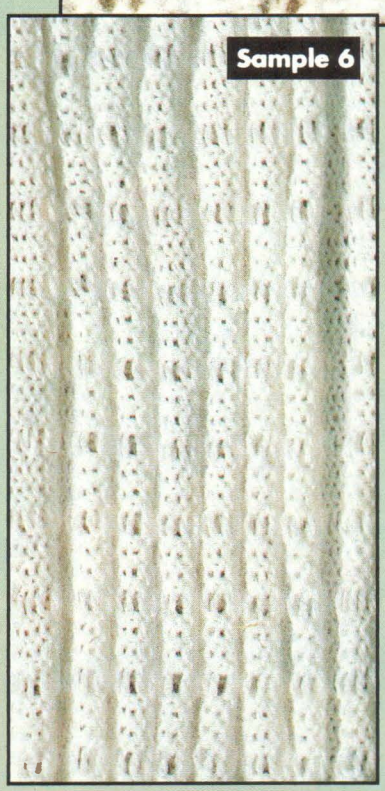



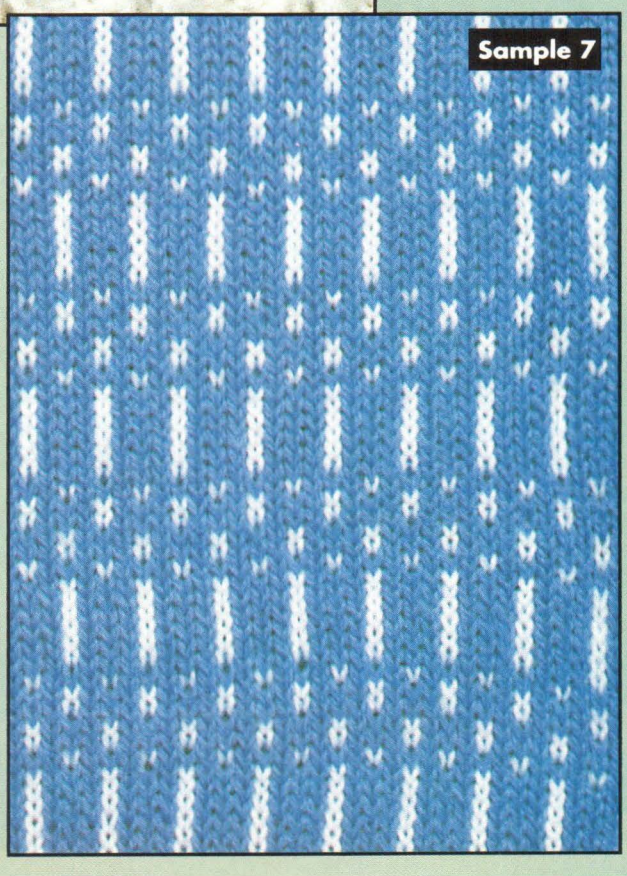




PUNCHCARD NUMBER TWO

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the techniques I have used in this article.
There is an awful lot you can do with your punchcard machine, enjoy it and have fun.
Until next month,

Janet-

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**Searching for a particular punchcard, a club in your locality, or operating instructions for an out-of-date machine? Let this page help you track them down. Please send your replies, care of the *MKN* address and we will forward.**

**INFO PLEASE**
Please can you help me find out about a knitting machine I bought at a Car Boot Sale, it is a Swiss made Turmix SV 577. I bought it to knit for charity but a plastic segment has been damaged. Can anyone tell me about the machine and if I can get parts?
**P A Peacock**
**Wallasey**

**PART WANTED**
Can you help me find a part for a Singer KE2400? The part is the needle selection lever which is no longer available from Singer.
I would be grateful for anyone's help and I of course will pay for the part and postage.
**Julia Clissold**
**Ilfracombe, Devon**

**INSTRUCTION BOOK**
I am looking for an instruction book for a Singer Magic Memory knitting machine (battery operated).
I would be grateful if someone could help me obtain a copy.
**M Davies**
**Barrow-in-Furness**
**Cumbria**

**NEEDLE SELECTOR**
*Machine Knitting News* is my only knitting book and from one of your readers I bought a 1960 Knitmaster 4500. It is perfect and I am doing very well with it, but the gauge is different in size to the modern machines. So can someone out there please help? I am looking for an adjustable needle selector for use in holding position as it will make my work quicker. I am willing to pay for expenses.
**Mrs T Quigley**
**Craigton, Glasgow**

**BOOK REQUIRED**
I am looking for a copy of the Brother Ribber Techniques Book (green cover). If anyone has a copy they no longer use, could they please get in touch.
I have a Jones Pattern Book (tuck, slip, Fair Isle etc) suitable for Brother machines 585/587 and 710 if anyone is interested.
**Beryl Auker**
**King's Lynn, Norfolk**

**HOT AIR BALLOON**
As a machine knitter, I also love hand knitting, especially while watching TV during the evening. I have quite a number of Intarsia patterns which I have knitted up for all the family. Recently I went up in a hot air balloon, which was fantastic. I wanted to knit a jumper with a balloon motive. I have tried my local wool shops but have not had any luck. Do you know if any such pattern exists? I would appreciate if you could let me know through your magazine. I own a Brother punchcard machine KH830 with ribber.
**Mrs Doreen Bassett**
**Crookham Common**
**Newbury**


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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **1.** | 1 | 17 | 21 | 1 | 13 | 1 | 18 | 9 | 14 | 5 |
| **2.** | 25 | 5 | 12 | 12 | 15 | 23 | | | | |
| **3.** | 3 | 18 | 9 | 13 | 19 | 15 | 14 | | | |
| **4.** | 16 | 21 | 18 | 16 | 12 | 5 | | | | |
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| **9.** | 13 | 1 | 21 | 22 | 5 | | | | | |
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**HOW TO ENTER**

If A = 1, B = 2, C = 3 and so on, what colours do the sequences of numbers in the box above represent?

Write the ten colours on a postcard, together with your name and address. Post your entry to:

MANY A MICKLE COMPETITION, MACHINE KNITTING NEWS, PO BOX 9, STRATFORD-UPON-AVON, WARWICKSHIRE CV37 8RS.

Closing date for receipt of entries is Friday January 28 1994.

**RULES**

Entries must be submitted on a postcard or on the back of an empty, sealed-down envelope. The prizes will be awarded to the senders of the first three correct entries checked after the closing date and will be allocated in the order they are drawn. Prizes must be accepted as offered and no entrant may win more than one award.

Entries arriving after the closing date or not complying with the rules and instructions exactly will be disqualified. The competition is open to all readers resident in Great Britain, Northern Ireland, Channel Islands and Isle of Man, except employees (and their families) of Litharne Ltd, the printers of *Machine Knitting News*, or Many A Mickle.

Decisions of the judges and the Editor will be final and legally binding. No correspondence can be entered into. Winners will be notified and the result published in a future issue of *Machine Knitting News*.

TO BE WON

# 17

## Man's Jacquard Sweater

# Polo Plus

***MACHINES**: These instructions are written for standard gauge electronic machines with ribber. We used a Brother 910 with ribber and colour changer (optional)*
***YARN**: Bramwell 2/30s HB Acrylic used double throughout*
***FIBRE CONTENT**: 100% Acrylic*
***COLOUR**: We used Black (MC) and Airforce (C)*
***STOCKISTS**: If you have any difficulty in obtaining this yarn, please write to F. W. Bramwell & Co Ltd, Unit 5, Lane Side, Metcalf Drive, Altham, Accrington, Lancs BB5 5TU*

**SIZES**
To suit chest 96[101:106:111:116:121]cm.
Finished measurement 108[112:118:123:128:132]cm.
Length 70[70:72:72:74:74]cm.
Sleeve seam 51.5[51.5:53:53:54.5:54.5]cm.
Figures in square brackets [ ] refer to larger sizes; where there is only one set of figures, this applies to all sizes.

**MATERIALS**
Bramwell 2/30s Acrylic.
1 x 500g cone in MC.
1 x 500g cone in C.

**GARMENT WEIGHS**
531g for size 106cm.

**MAIN TENSION**
30 sts and 53 rows to 10cm measured over Jacquard patt (tension dials approx 4/4).
Tension must be matched exactly before starting garment.

**ABBREVIATIONS**
See page 113.

**NOTE**
All st counts refer to MB only. Inc, dec, cast on or off corresponding RB sts as required.
Yarn is used double throughout.
Measurements given are those of finished garment and should not be used to measure work on the machine.

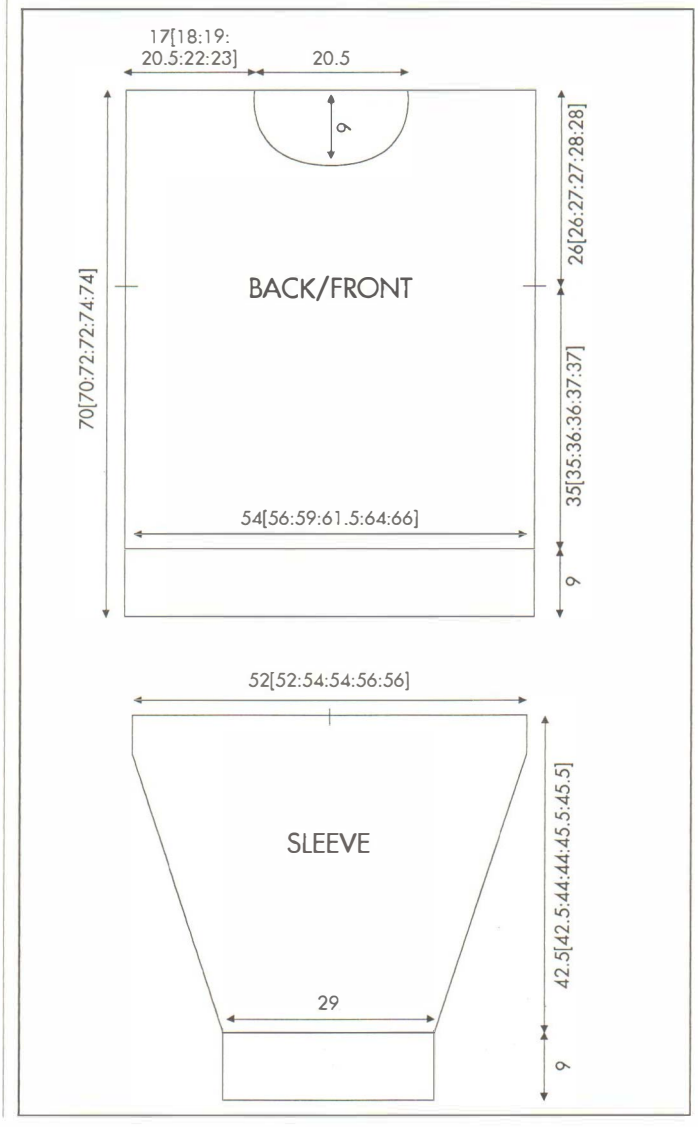
**MYLAR SHEET PATTERN**
Fill in mylar sheet before starting to knit.

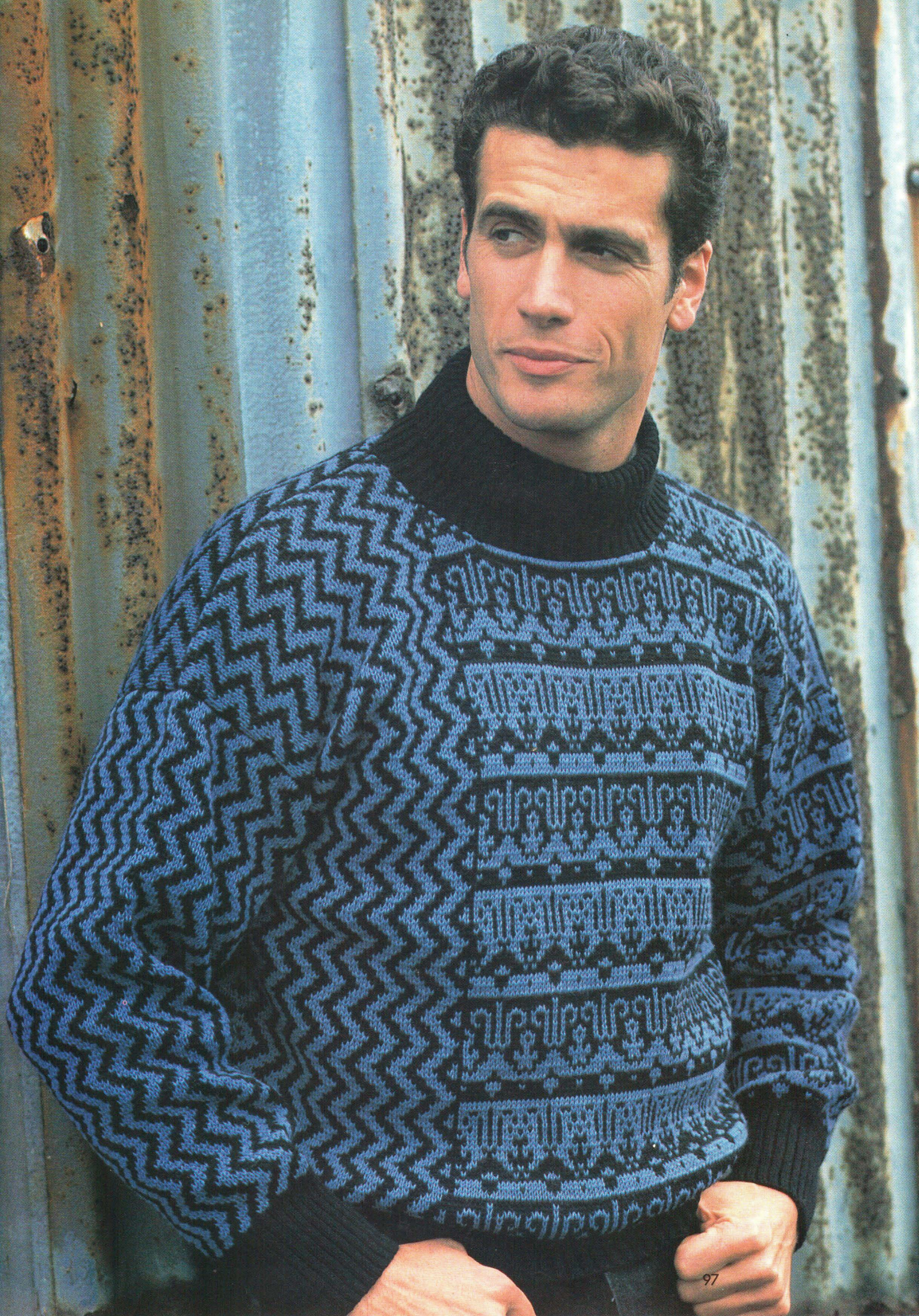
**PATTERN PROGRAM**
**BACK**
Patt variation switch 7 in upper position.
All other variation switches in lower position.
Patt selector switch in middle position.
First row of patt 1.
Last row of patt 40.
Left end of patt 1.
Right end of patt 12.
Y79[82:86:90:93:96], Y79[82:86:90:93:96], Y32, 13, 24, Y30, Y30, G100.
**FRONT**
Patt variation switches 1 and 7 in upper position.
All other variation switches in lower position.
Patt selector switch in middle position.
First row of patt 1.
Last row of patt 40.
Left end of patt 1.
Right end of patt 12.
G79[82:86:90:93:96], G79[82:86:90:93:96], G32, 13, 24, G30, G30, Y100.
**RIGHT SLEEVE**
Patt variation switch 7 in upper position.
All other variation switches in lower position.
Patt selector switch in lower position.
First row of patt 1.
Last row of patt 40.
Left end of patt 1.
Right end of patt 12.
**LEFT SLEEVE**
Patt variation and selector switches set as given for right sleeve.
First row of patt 1.
Last row of patt 40.
Left end of patt 13.
Right end of patt 24.

**PATTERN NOTE**
CAL. Using 2 strands of MC, K1 row to select first row. CAR.
Press both part buttons on MB carriage and set RB carriage to normal knitting. K1 row.
Using 2 strands of C, K2 rows.
Using 2 strands of MC, K2 rows.
Rep these 4 rows throughout.

**BACK**
With RB in position, set machine for 2x1 rib. Push 79[82:86:90:93:96] Ns at left and 79[82:86:90:93:96] Ns at right of centre '0' on MB to WP. 158[164:172:180:186:192] Ns.
* Push corresponding Ns on RB to WP. Arrange Ns for 2x1 rib. CAR.
Using 2 strands of MC, cast on and K3 tubular rows.
Set RC at 000. Using MT-3/MT-3, K47 rows.
Bring intermediate Ns on both beds into WP. K2 tubular rows. CAL.
Set RC at 000. Insert mylar sheet and program machine for patt. Using MT/MT, K1 row to select. CAR. Setting carriages as required, work in patt *. K 323[323:333:333:343:343] rows.
Transfer sts to MB. Using MC, K1 row. Using WY, K a few rows over 49[52:56:60:63:66] sts at right and release from machine. Rep over 49[52:56:60:63:66] sts at left.
Using WY, K a few rows over rem 60 neck sts and release from machine.

**FRONT**
Work as given for back until RC shows 274[274:284:284:294:294]. CAL.





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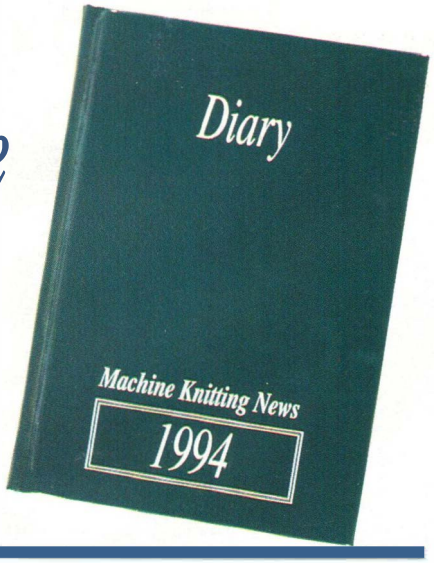


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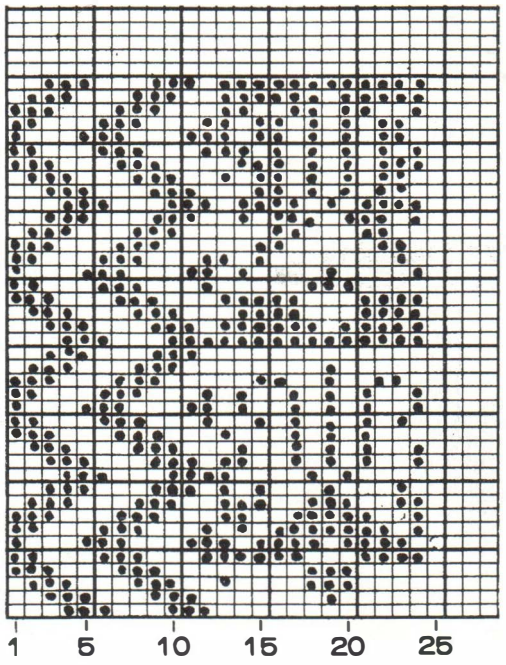



**SHAPE NECK**

Make a note of position in patt. Set both carriages to hold. Push 99[102:106:110:113:116] Ns at right to HP on both beds. Cont on rem 59[62:66:70:73:76] sts at left for first side.

Dec 1 st at neck edge, K2 rows, 10 times. 49[52:56:60:63:66] sts.

K until RC shows 323[323:333:333:343:343].

Transfer sts to MB. Using MC, K1 row.

Using WY, K a few rows and release from machine.

Transfer the next 40 sts (centre neck) from RB to MB. Release these 40 sts on WY.

CAL. Reset RC at 274[274:284:284:294:294].

Cancel hold.

Working over rem 59[62:66:70:73:76] sts at right, complete to correspond with first side, reversing shapings.

**SLEEVES**

With RB in position, set machine for 2x1 rib. Push 42 Ns at left and 43 Ns at right of centre '0' on MB to WP. 85 Ns. Work as given for back from * to *.

Inc 1[1:0:0:0:0] st at each end. 87[87:85:85:85:85] sts.

K until RC shows 6.

Shape sides by inc 1 st at each end, K6 rows, 32[32:36:36:38:38] times.

151[151:157:157:161:161] sts.

K until RC shows 224[224:232:232:240:240].

Transfer sts to MB. Mark centre st. Cast off loosely.

**POLO NECKBAND**

Graft right shoulder seam tog or join on machine.

With RB in position, set machine for 2x1 rib. Push 160 Ns on MB and corresponding Ns on RB to WP. Arrange Ns for 2x1 rib.

Using 2 strands of MC, cast on and K3 tubular rows.

Set RC at 000. Using MT-3/MT-3, K73 rows.

Transfer sts to MB. With wrong side facing, hang neck edge evenly on to Ns.

Using T10, K1 row. Cast off loosely.

**TO MAKE UP**

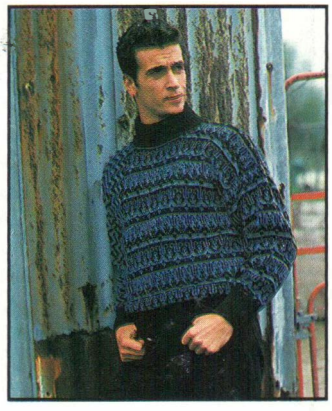
Join rem shoulder seam using the same method as before.

Join polo neckband seam, reversing halfway for fold over to right side.

Sew in sleeves matching centre marker to shoulder seam.

Join side and sleeve seams.

Block out to correct shape and size. Spray with cold water and allow to dry.



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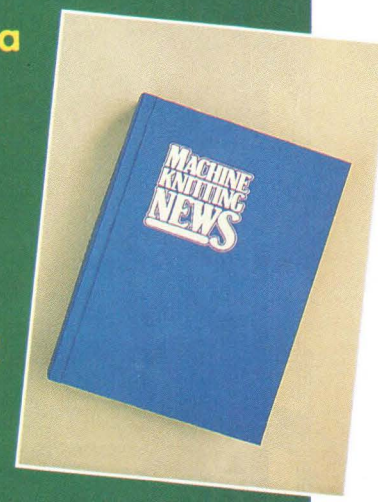

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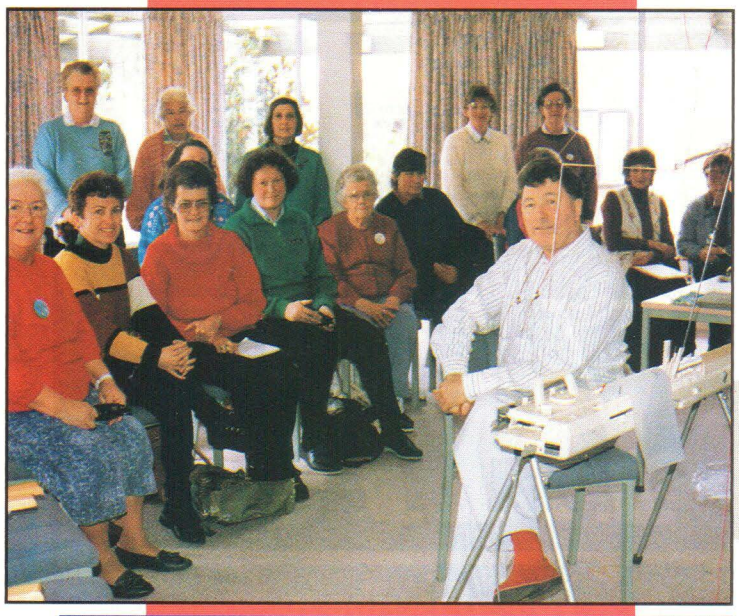
# The New Ze



Master Class at Napier

Sweater design ideas produced in the workshop

Design workshop in progress at New Plymouth

John with Bob and Betty Abbott on Mount Cook

New Zealand has the most organised machine knitting club system of any country I have ever visited. In this article I shall attempt to explain how this works and how it has assisted in the development of machine knitting there.
The idea of a tour of New Zealand all started when I had a phone call from Betty Abbott who wanted to discuss the possibility of my attending the annual festival of the New Zealand Machine Knitters' Society Inc. (N.Z.M.K.S Inc. for short). Owing to timing and my commitments here I could not accept this invitation, however, within weeks of our finding this out, Betty had persuaded the society to invite me out at a time I could manage!
Betty Abbott is certainly one of those extraordinary knitters I write about occasionally. She is a professional knitter creating a range of beautiful classic sweaters which are marketed through up-market craft galleries. She also works as a consultant to one of New Zealand's top knitwear companies. She has an extremely high profile in machine knitting circles in New Zealand, every machine knitter knows of her, yet she holds no official national office! She is outwardly relaxed, quiet and unassuming, giving off an aura of calm and professionalism. But this belies

# :aland Experience

## John discovers New Zealand and a unique Machine Knitters' Society

her true nature, for Betty is that rare person, a high powered dynamo who works without noise. Betty has that unique ability to work with people and make things happen. My tour of New Zealand is just one example. It was the most complex and hectic I have ever undertaken, involving moving between 15 different locations and probably twice as many venues! It involved travelling round both islands by plane and car, the logistics, timing and organisation were mind bending. My final itinerary when it arrived was awesome! At the time, I thought it could not work, but I had reckoned without Betty Abbott and the incredible organisation of the N.Z.M.K.S. led by their president, Lorraine Judd.

To understand machine knitting in New Zealand it is important to know how it is organised nationally. It is quite different from anywhere else I have visited. The country is divided up into 19 areas, each area has a different number of clubs and members in them. Each club while being totally autonomous has representation at area level so there are strong links between the two. The association holds a festival annually, this takes place in June and the location depends on which area is hosting the event. This ensures the week-long festival moves around the country. Any knitter can attend the festival which has a large programme of workshops, lectures, competitions, tours and social events. It is seen as a time when machine knitters can exchange their views and learn from their peers, but most of all it is a time when friendships are made, linking the machine knitters together nationally.

Each area is allowed to send four official representatives to the festival, two councillors and two delegates. These four knitters have an important role to fulfil within the festival programme. The councillors are there to attend meetings, debate and make national policies. The two delegates are there to give a presentation to the other 18 area delegates on a subject their area will have chosen. This can be on any topic related to machine knitting. These presentations take place over a two-day period in the afternoons and last twenty minutes. The mornings of these days are taken up by the delegates getting two three-hour presentations from guest tutors.

The expectation is that each pair of delegates will take back to their area and club the knowledge they have been privileged to experience. This means there is always a new fund of knowledge being filtered into the clubs.

While the councillors are meeting and the delegates making their presentations, all the other knitters attending the festival are taking part in the main programme of events. This consists of displays, seminars, workshops and competitions, the latter attracting hundreds of entries. The judging is carried out by six national judges, selected from the national registry of judges by the host area. Any knitter can enter the different competitions with the exception of the champions' section. To enter this a knitter first has to become a champion!

To become a national champion a knitter has to win the most sections (prizes) in any one year. Once a knitter has been named a champion she then enters future festivals in the champion classes only. The annual winner of the title is also asked to be guest exhibitor the following year, when they are expected to put on a personal exhibition that demonstrates their skills of knitting.

This simplistic outline allows you to see what a unique system the N.Z.M.K.S has. It has many advantages, it fosters friendships, forges links between areas and clubs, as well as encouraging exchange of knowledge which in turn enhances the quality of the craft nationally.

The starting point for my tour was Auckland. Here at one of my first master classes there was a very nice knitter who every time I showed a swatch told me something similar had been knitted by Gaynor! As all tutors will know, this can be extremely disturbing, particularly so in this case as some of these swatches I had thought were unique! Gaynor was certainly a knitter I had to meet, she obviously was material for an article. So started my tour and my search for Gaynor.

It was only after I had completed my first events in Auckland that I discovered there was a second itinerary to the one I had been given. This was the one all the knitters who hosted me worked from! It covered everything from what I drank to details of how I was to be transported between places and by whom. It explained the kind of stress visiting tutors experience and how hosts could limit this!

The secondary itinerary was far more interesting than my own! I quote a few lines from this which my host in Auckland had to follow! 'Val picks John up at 08.30 hours and drives him to Whangarei with short comfort stop on peninsula, 15 minutes. Arrive Whangarei 1pm, proceed to town centre and locate "Farmers", drive to rear car park and find floral clock, under this will be a cream Mercedes driven by Sybil. John changes cars and Sybil drives him to next venue at Keri Keri. Contact no. 09 401 9105'. The whole itinerary read like a spy story with rendezvous on lonely roads and change overs into strange cars in unusual locations! When I first read this, I thought there was no way such a complicated plan could work, especially when involving so many people, long drives and specific timings, plus of course one forgetful and unpredictable

> **The whole itinerary read like a spy story with rendezvous on lonely roads...**

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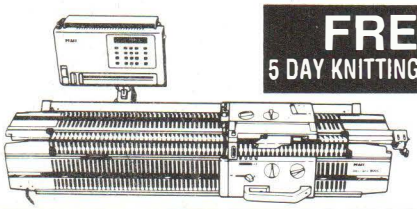

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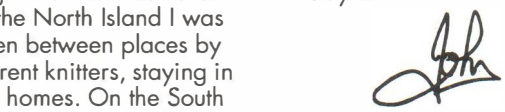
designer!! Never once did the planning faulter, go wrong or snarl up, except when the designer left swatches behind, or worse still, the slide carousels, but even this unpredictable behaviour could not faze this organisation, they simply laid on a minder.
I stayed with many interesting people. One host I stayed with took 15 cat meals to the cattery at the bottom of her garden every evening. One day I could not contain my inquisitiveness and asked how long she boarded all these cats. I was told the cats were not being boarded, these 15 were pets, left over from her flock, pack, (what does one call a gathering of cats?) when she use to breed them. "They are waiting for heaven" I was informed!
New Zealand knitters' hospitality has to be sampled to be appreciated, it is always welcoming, never intrusive and they all take as much pride in their home cooking as they do in their knitting, weight watchers beware!
On the North Island I was driven between places by different knitters, staying in their homes. On the South Island as the time tabling was critical Betty Abbott and her husband Bob accompanied me over all of the two thousand miles plus we covered. My three-day stop in Gore and Invercargill will give you an idea of my programme. Day one 10am workshop. 7.30pm slide presentation. Day two 9-11am master class, 2-4pm master class, 7.30pm slide presentation. Day three 9am workshop, 4.30pm drive to Queenstown arrive 6.30pm, evening free.
My workshop and master classes covered such subjects as colour, design and techniques. The venues varied from village halls to plush civic centres, colleges and polytechnics. After 40 different events, at my last stop, Wellington I lost my voice!
Next month, I will tell you about some of the interesting knitters in New Zealand. I end this with a very special message for our New Zealand readers — I never found Gaynor!



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# Tuck into Texture

## *Trudie Howard experiments with tuck stitch patterning*

It all began when I saw a tuck stitch pullover in a knitting magazine. I liked the crunchy look of the stitch pattern, the design was for the electronic Passap, but the ten stitch repeat would work on any Singer machine. When I knitted a swatch, I did not like it all that much and looked through all my stitch pattern books, Japanese and European, for an alternative. There were plenty of geometric tuck patterns, but very few simple ones and these were too simple. The pattern cards for the 2331 were no help, either.

That is when I decided to experiment. The idea was to have one needle tuck two rows and knit one row, another needle would tuck one row and knit one row and yet another would tuck two rows and knit two rows. I tried all sorts of combinations, not all of them looked as good as I hoped, but I found two very good weaving patterns this way! Most of my swatches were knitted with fine yarn and a few with 4 ply. When knitting tuck stitch with thicker yarn, one should always attach the white wheels, if they are the newer 10cm long ones. These wheels do the same job as strippers on the Passap: they help to push the knitted stitches and loops down between the beds. That means that the weights do not have to be very heavy. The samples shown are some of the results of my experimenting. As they have to be reasonably flat for the photography, some of the 3-D effect is lost. Normally one would either steam a tuck stitch garment *very lightly* or better still, lay it flat and cover with a damp tea towel. Allow the tea towel to dry naturally. All the swatches are based on different ratios of tuck rows to knit rows. Two rows tuck/two rows knit are written as 2/2, three rows tuck/two rows knit as 3/2. The first number stands for tucked rows, the second number for knitted rows.

**Diagram 1A**

A column of 2/1 tucks and one of 1/1 tucks looked very plain, so I put a column of 1/2 tucks each side of the 2/1. (Sample 1A).

DIAGRAM 1A

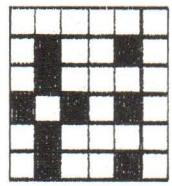


DIAGRAM 1B

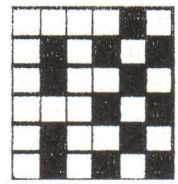


DIAGRAM 2A

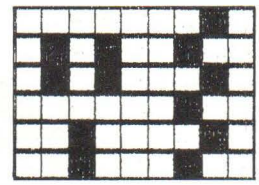


DIAGRAM 2B

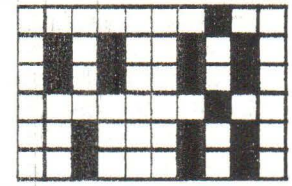


DIAGRAM 3A

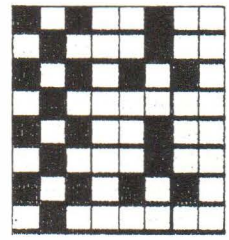


DIAGRAM 3B

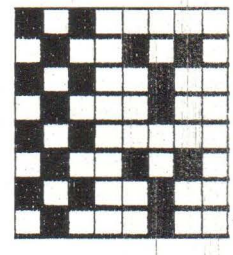


DIAGRAM 6

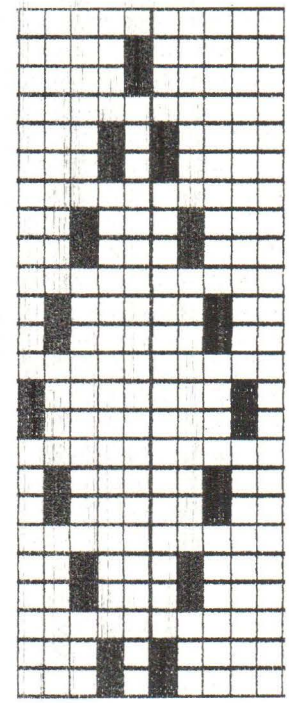


DIAGRAM 4A

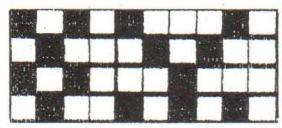
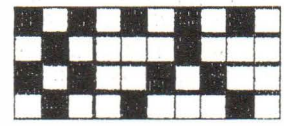


DIAGRAM 4B



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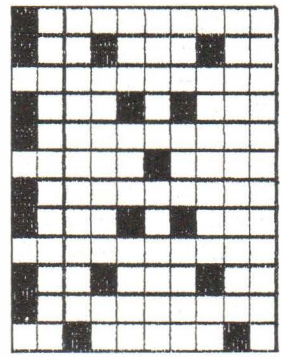

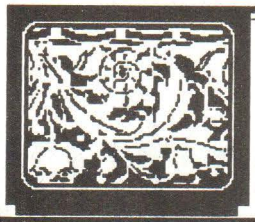

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**Diagram 1B**
This time the column of 2/1 stands alone, with three alternating 1/1 columns. (Sample 1B).

**Diagram 2A**
Three needles tuck 2/1 and two needles tuck 1/1. This produces a sharp vertical edge which can be used for a pleating effect. (Sample 2A).

**Diagram 2B**
For knitters with the 2331 which cannot knit patterns with a nine stitch repeat, I altered 2A a little to make it ten stitches wide. (Sample 2B). The pattern has a lace-like appearance when knitted with fine yarn. I used Yeoman Yarns Fifty Fifty.

**Diagram 3A**
This combination of 2/2, 1/3 and 1/1 tuck gives an interesting texture. (Sample 3A).

**Diagram 3B**
I turned pattern 3A upside down without expecting much, but the tucks are pulled differently and the 2/2 column is not so pronounced.

**Diagram 4A**
This is the ten stitch version of pattern 3. Adding two extra columns of 2/2 tuck makes quite a difference. (Sample 4A).

**Diagram 4B**
Again there is a subtle change when pattern 4A is knitted upside down. (Sample 4B).

**Diagram 5**
1/1 tuck arranged diagonally produces nice crisp diamonds. This pattern is best knitted in 4 ply. (Sample 5). Diagonal tuck looks very good with finer yarn and 2/1 setting. (Diagram 6, no sample).

These simple tuck variations are only the start for Mix-and-Match. There is no reason why you cannot combine 1A with 2B to create a 15 stitch repeat or 4A and 4B combined with 5 for a 20 stitch repeat.
Equally, using only a part of each pattern can give surprising results. I took Diagram 1B, ignored column 1 and 2 and programmed only the three 1/1 columns and one empty one. The result is Sample 6, part of it was knitted with the elongating button ON. I call this pattern the poor man's Fisherman's rib, because it looks a bit like it and can be knitted on machines without a ribber. All these tuck patterns can be knitted on most machines. Only the Passap 80 cannot


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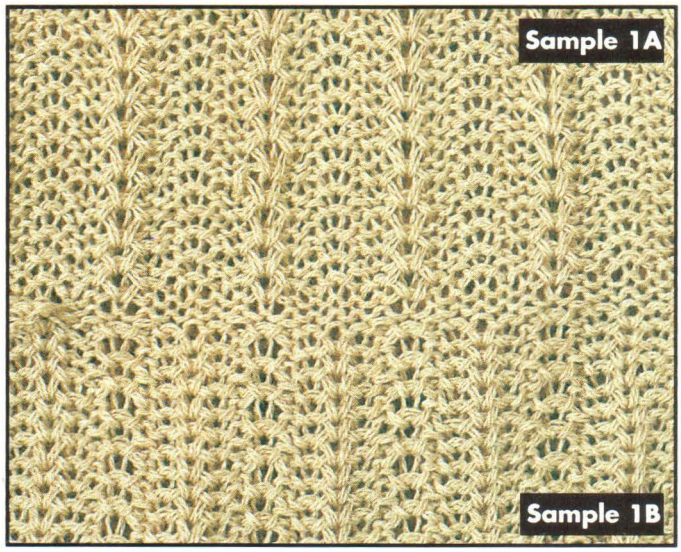
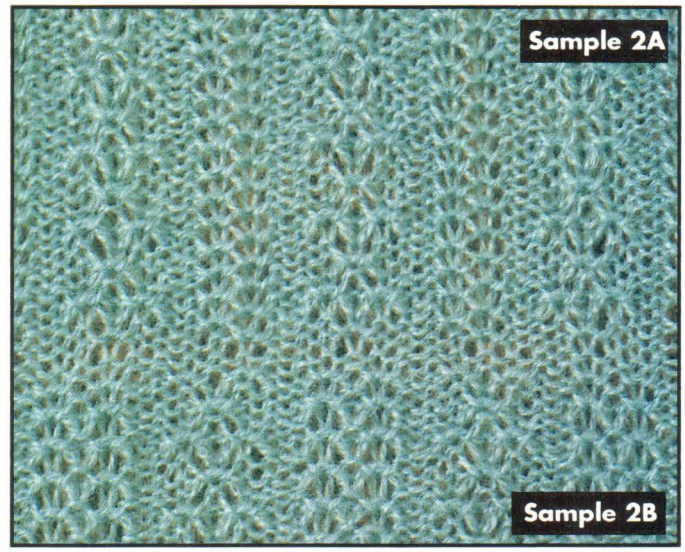
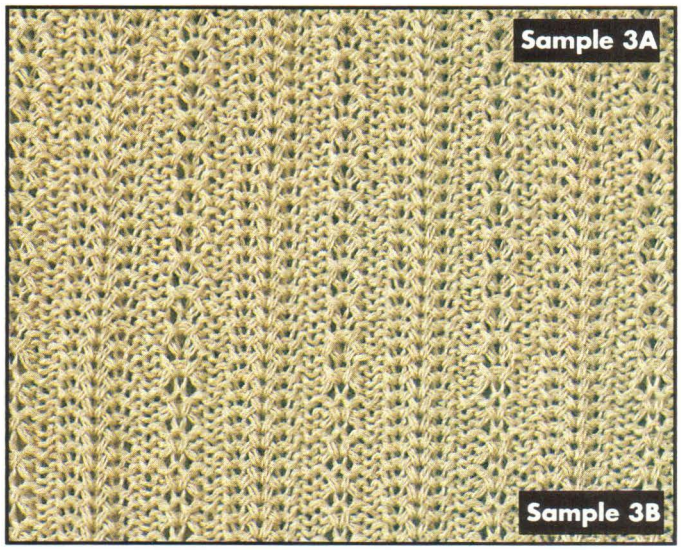
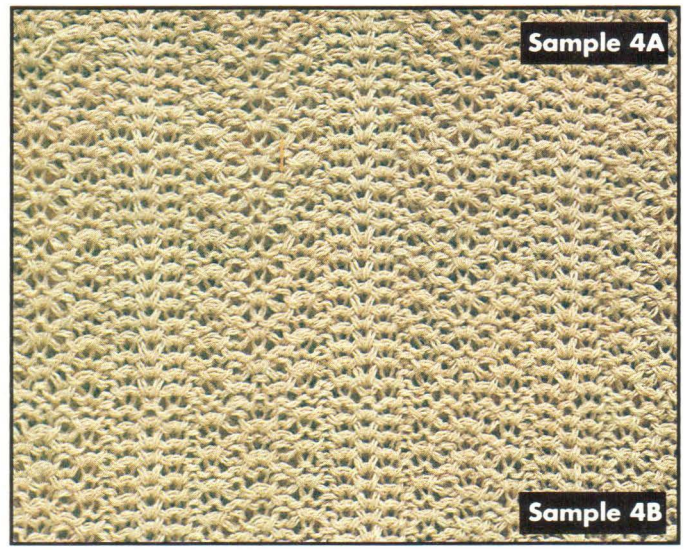
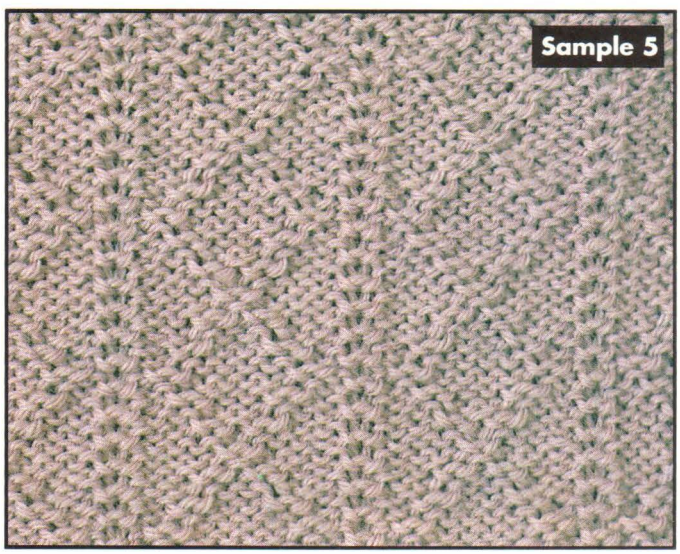
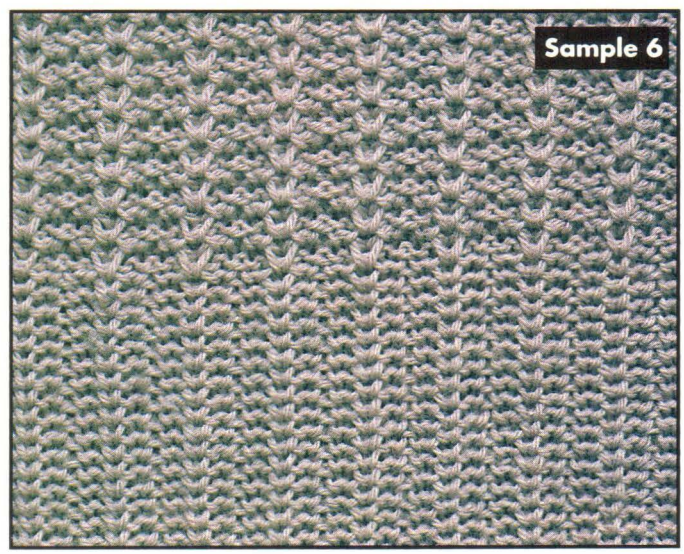


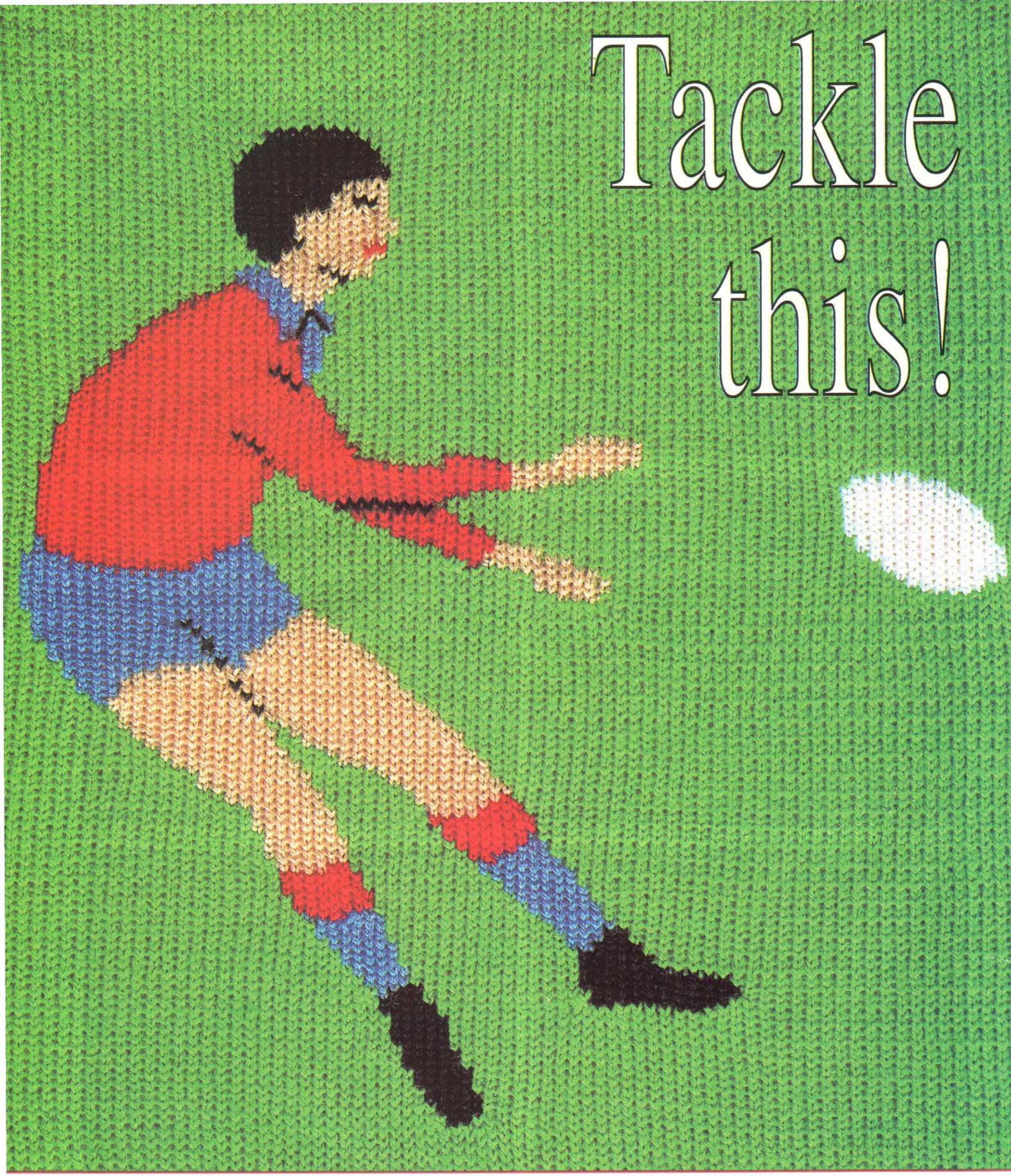

knit single rows of tuck, because every row of the Deco card is knitted twice. Owners of Singer machines and electronic Japanese machines are lucky, they mark only the black squares and use their positive/negative switch. Punchcards will have to be punched in reverse. Cards for the Singer lightscanning machines are programmed for a rolling repeat.

I have not tried any of these patterns as double bed tuck. There should be some good possibilities, especially with the elongating button ON and selecting different needles on the front bed. Now I have got the most difficult part ahead of me — the decision. Which pattern to use for my pullover? I think, I shall use 4A, but perhaps I should try some other combinations, just in case I find a better one!

Until next month,

Trudie

# Tackle this!



With the football and rugby season well under way, it seems appropriate to feature this Intarsia design for a rugby player. Worked on a sweater it would make an ideal present for boys and dads. Why not a matching pair for father and son?

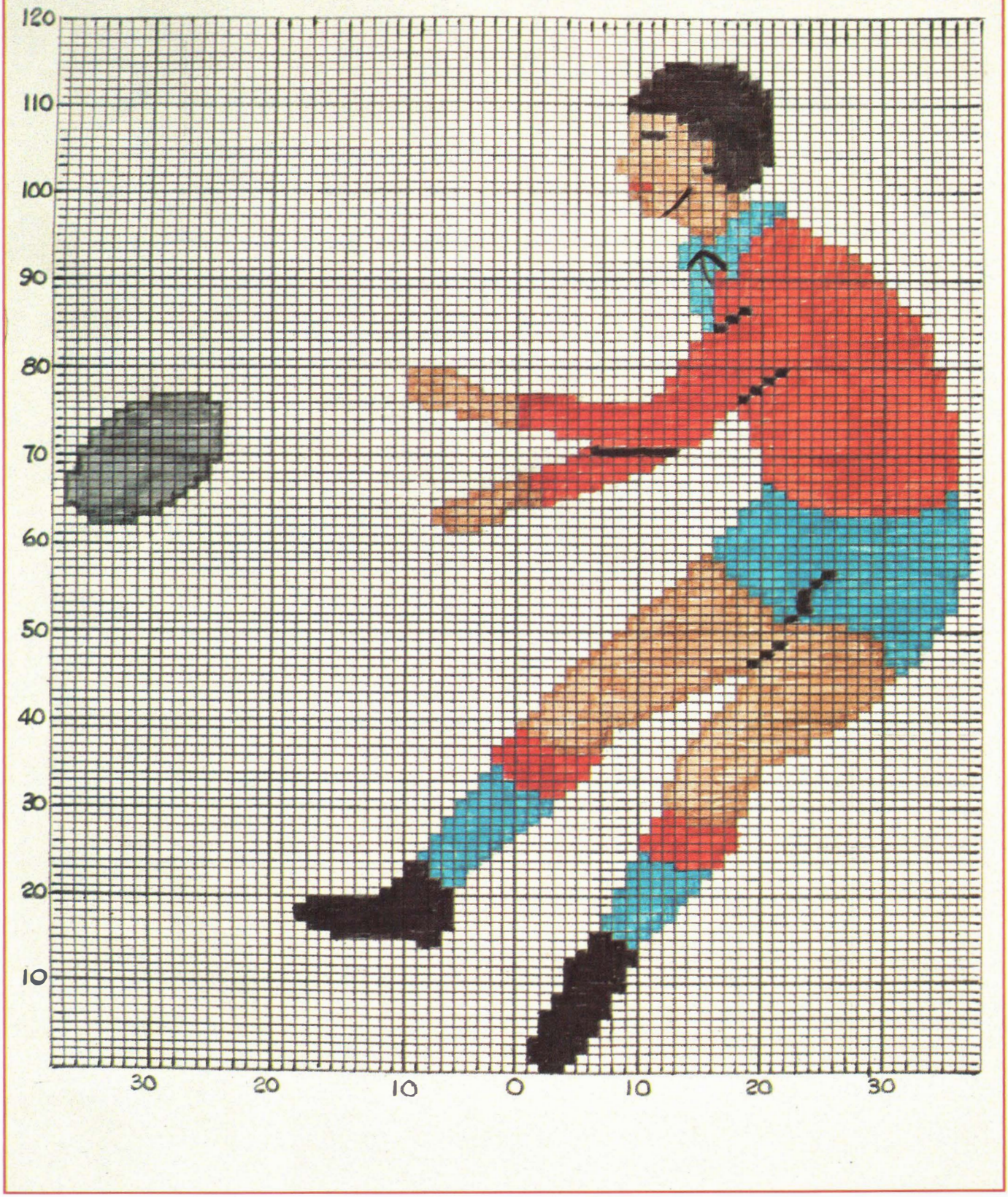
The colours in the rugby player's strip can be changed if they do not match with the favourite team, but always remember to do the main colour so that the colours used in the design are shown to best advantage.

The ball is shown on the chart as grey, but this is so that it will show up on the chart, it should obviously be white as on the swatch.

The yarn used is an acrylic and wool mixture, and the tension on the Intarsia carriage is 6.

When you are knitting a garment it is only necessary to use the Intarsia carriage for the actual design, so the bulk of your jumper can be done using the main bed. It is a good idea to knit the back first, and note the number of rows over that piece. When you come to knit the front, note the number of rows in the Intarsia design, and you will then be able to position the design

# INTARSIA




so that it comes in the centre of the jumper. You do not want to have it too low down, neither do you want to have it too high so that it interferes with your neck shaping. If you are knitting a man's sweater you usually have about 276 rows to play with, so if your Intarsia design has 120 rows, that leaves you approximately 150 rows plain. If you knit 60 rows before you start the pattern this will put the design in the middle of the garment.
Naturally, if you are knitting a sweater for a boy you will have less rows to play with and so you adjust accordingly.

Remember when you change from the main carriage to the Intarsia carriage to change your tension, as the Intarsia carriage knits up looser than the main bed, usually between half and one tension depending on your machine.
For those of you who have not worked Intarsia before, try knitting a few plain rows with each carriage so that you can see the difference in the tension.
This is a good design for beginners of Intarsia knitting, as there are not too many colours at once, and there are not too many ends to sew in when your garment is finished!

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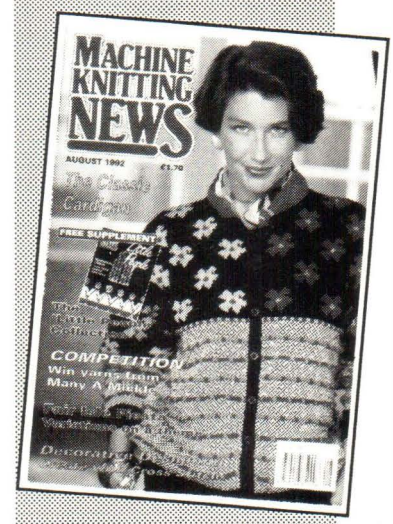


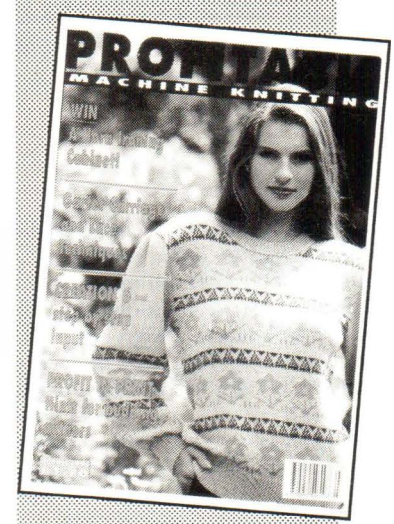


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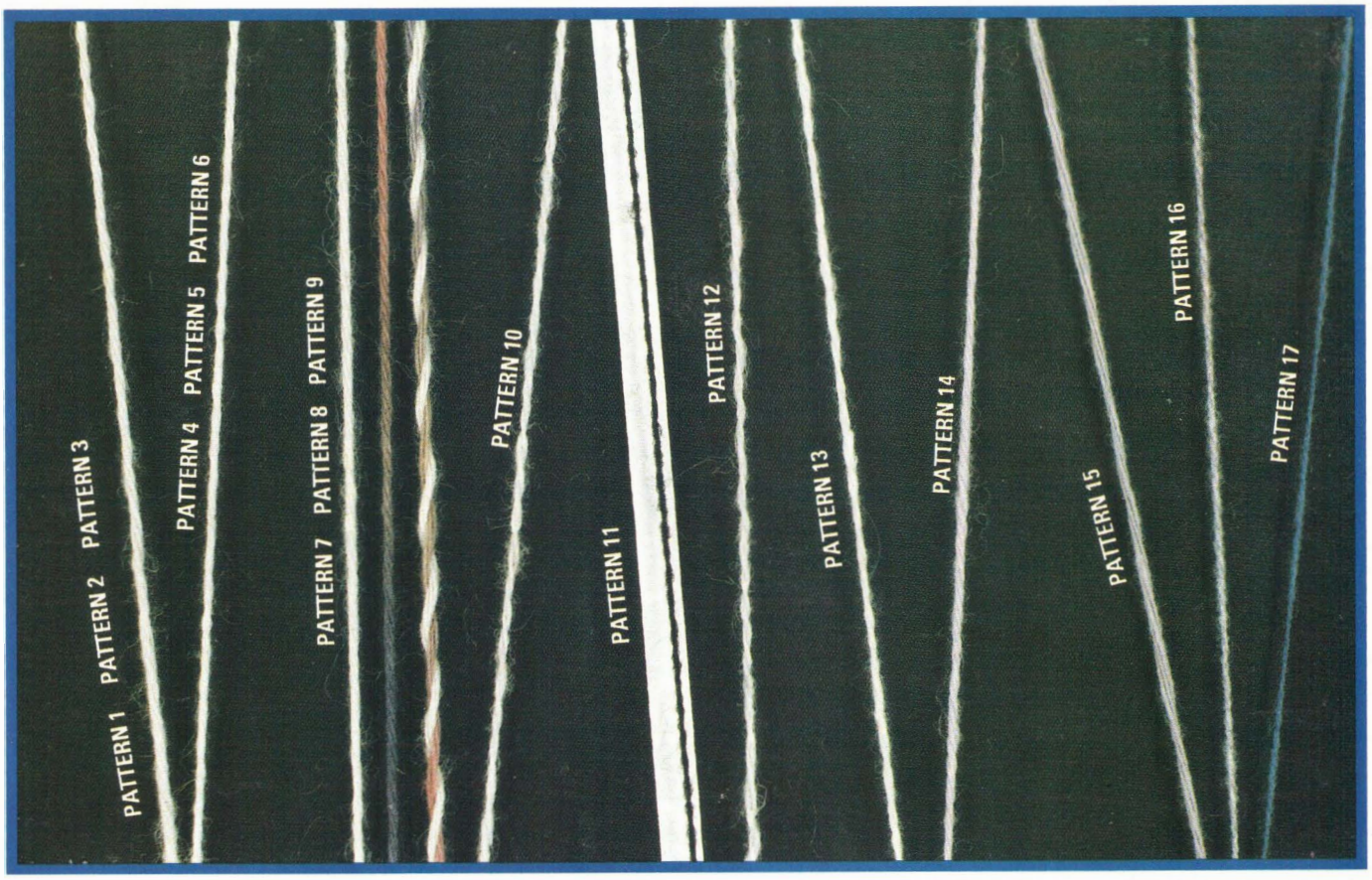
# YARN SAMPLES




## ABBREVIATIONS

alt = alternate(ly)
BB = back bed
beg = beginning
CAL = carriage at left
CAR = carriage at right
ch = chain
cm = centimetres
Col 1 = colour one
Col 2 = colour two
Col 3 = colour three
cont = continu(e)(ing)
dc = double crochet
dec = decreas(e)(ing)
FB = front bed
FNR = full needle rib
fig = figure
foll = following
g = grams
HP = holding position
inc = increas(e)(ing)
K = knit
MB = main bed
MC = main colour
mm = millimetres
MT = main tension
MT-1, (2), (3) = one,(two), (three) full sizes tighter than main tension
MT-4, (5), (6) = four, (five), (six) full sizes tighter than main tension
MT+1, (2), (3) = one, (two), (three) full sizes looser than main tension
MT+4, (5) = four, (five) full sizes looser than main tension
MT+9 = nine full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
0 = no stitches or rows worked
P = purl
patt = pattern
RB = ribber
RC = row counter
rem = remain(ing)
rep = repeat
SS = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn
A, B, C and D = contrast colours

### FOR MACHINES WITHOUT RIBBER

### MOCK RIB

Push the number of main bed Ns as given in the patt to WP. Return alt Ns to NWP for 1x1 mock rib. Return every 3rd N to NWP for 2x1 mock rib. Using WY, cast on and K a few rows, ending carriage at left. Using T10 and nylon cord, K1 row. Set RC at 000. Using MC and MT-3, K the number of rows given in patt (i.e. depth of rib). Using MT, K1 row (fold row). Using MT-3, K the same number of rows for depth of rib again.
Return intermediate NWP Ns to WP. Pick up loops from first row worked in MC and hang on to empty Ns (plus adjacent N for 2x1 rib), evenly along row. Complete as given in patt. To remove WY when work is completed, pull nylon cord from one end of work, thus releasing waste knitting.

**SYMBOLS**

△ EASY TO KNIT
△△ FOR A KNITTER WITH SOME EXPERIENCE
△△△ FOR EXPERIENCED KNITTERS
△△△△ FOR EXPERTS ONLY

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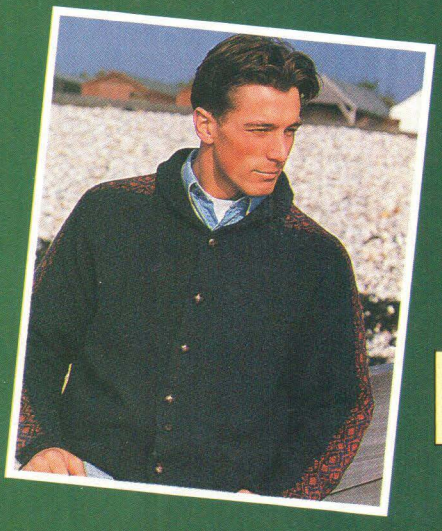
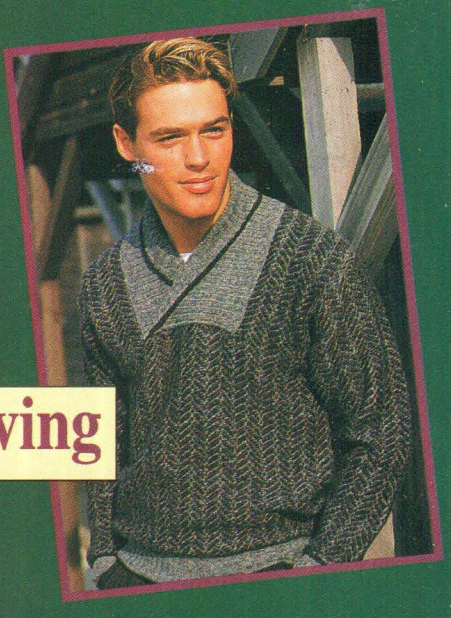
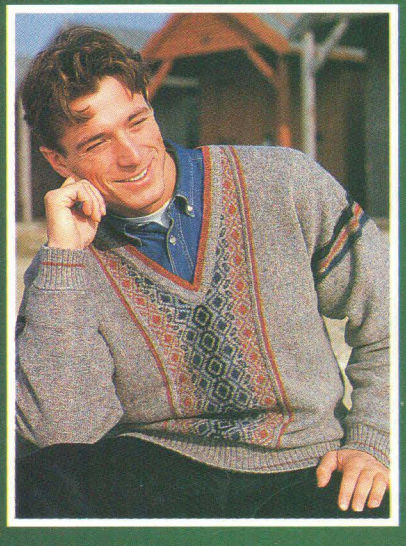
SUPPLEMENT

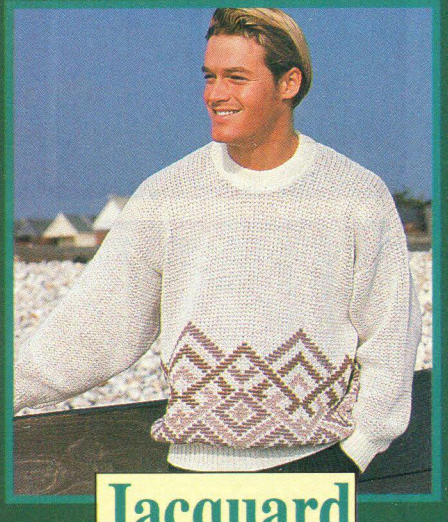




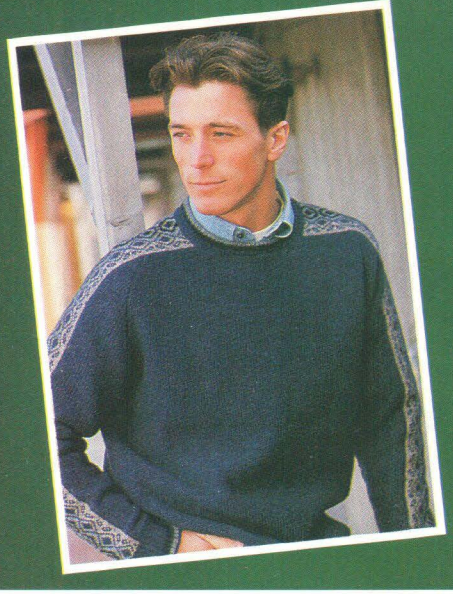
Weaving

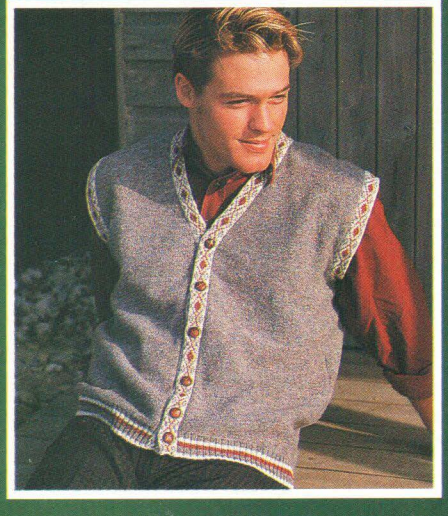


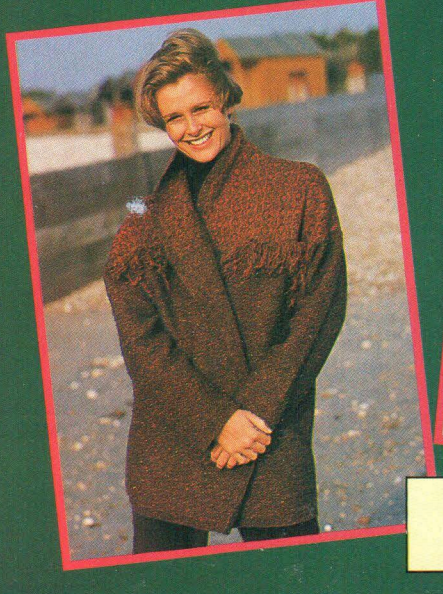
## The Men's Collection

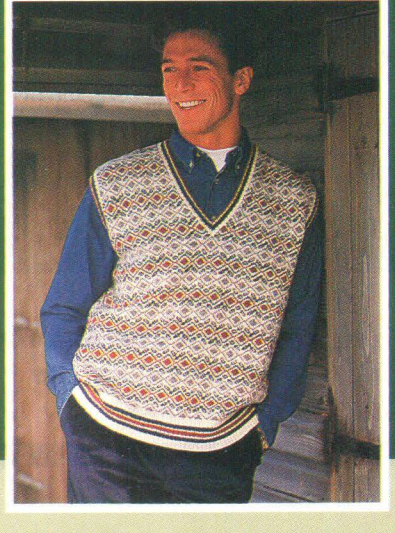


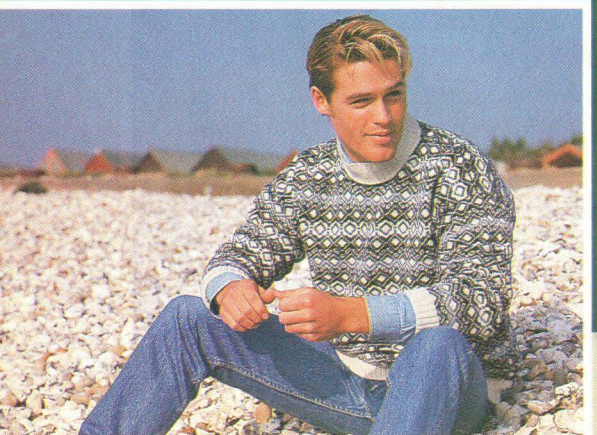
Jacquard











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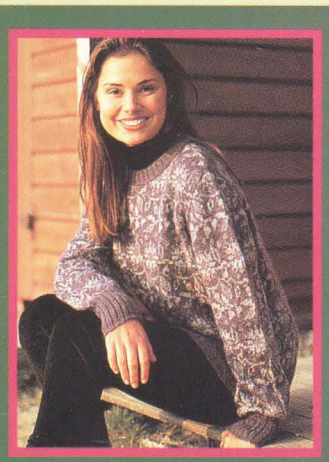
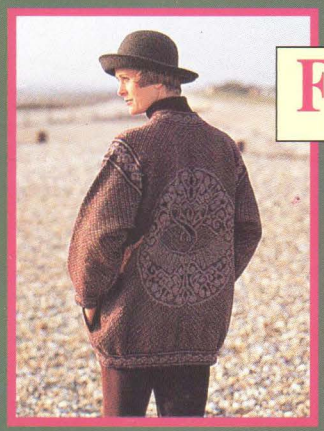
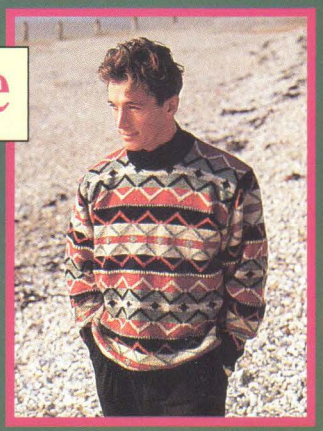
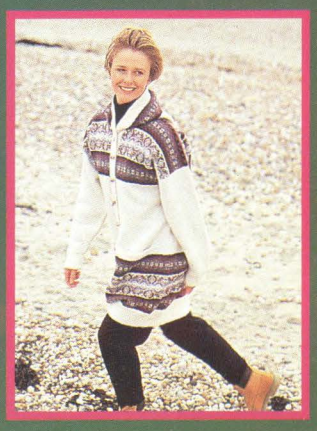


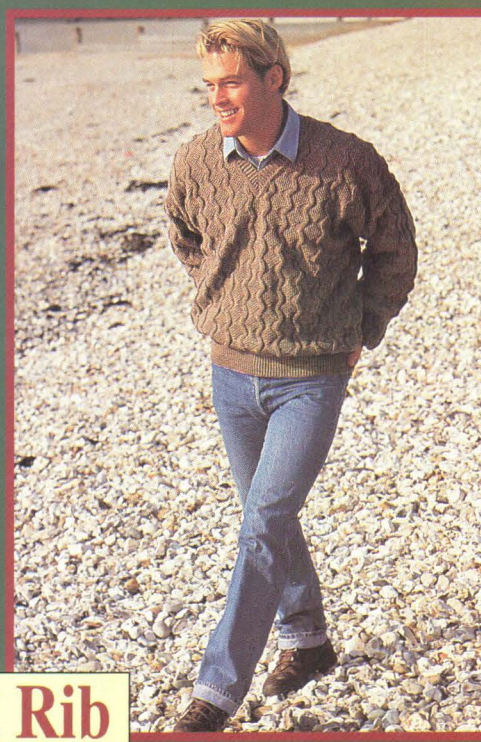


Fair Isle

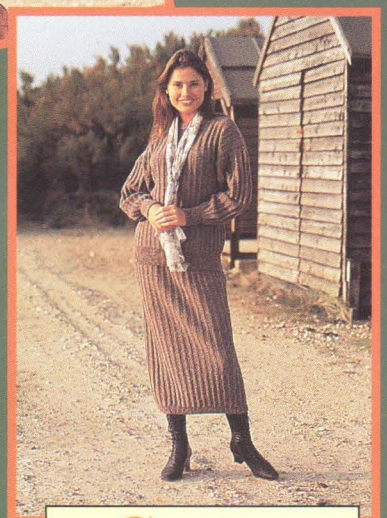




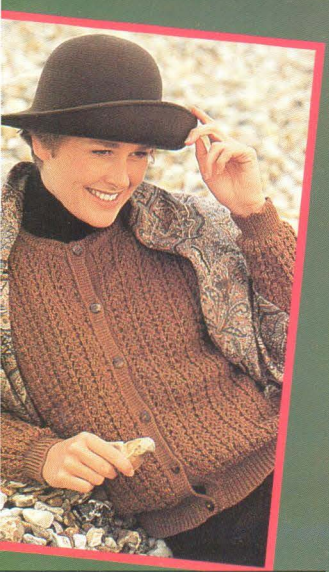
Cables



Tuck and Rib



Garter Carriage



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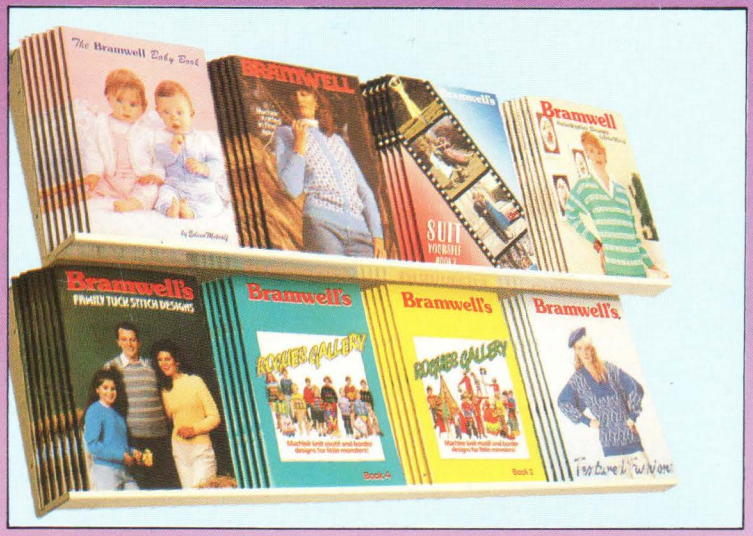


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